NEMO|etc.
Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
(203) 262-9245

ENGINEER **EVALUATE** **TEST** **CONSULT**

EVALUATION REPORT

Soprema, Inc.
310 Quadral Drive
Wadsworth, OH 44281
(800) 356-3521

Evaluation Report S35000.12.10-R28
FL3915-R30
Date of Issuance: 12/21/2010
Revision 28: 02/08/2021

SCOPE:
This Evaluation Report is issued under **Rule 61G20-3** and the applicable rules and regulations governing the use of construction materials in the State of Florida. The documentation submitted has been reviewed by Robert Nieminen, P.E. for use of the product under the Florida Building Code. The product described herein has been evaluated for compliance with the **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: Soprema Modified Bitumen Roof Systems

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein.

CONTINUED COMPLIANCE: This Evaluation Report is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO|etc. Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 6, plus a 129-page Appendix.

Prepared by:

Robert J.M. Nieminen, P.E.
Florida Registration No. 59166, Florida DCA ANE1983

The facsimile seal appearing was authorized by Robert Nieminen, P.E. on 02/08/2021. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC does not have, nor does it intend to acquire or will it acquire, a financial interest in any company manufacturing or distributing products it evaluates.
2. NEMO ETC, LLC is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
3. Robert Nieminen, P.E. does not have nor will acquire, a financial interest in any company manufacturing or distributing products for which the evaluation reports are being issued.
4. Robert Nieminen, P.E. does not have, nor will acquire, a financial interest in any other entity involved in the approval process of the product.
5. This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

ROOFING SYSTEMS EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Modified Bitumen Roof Systems
Compliance Statement: **Soprema Modified Bitumen Roof Systems**, as produced by **Soprema, Inc.**, have demonstrated compliance with the following sections of the **7th Edition (2020) Florida Building Code** through testing in accordance with the following Standards. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.3.1	Wind resistance	FM 4474	2011
1504.6	Physical properties	ASTM G155	2013
1504.7	Impact resistance	FM 4470	2016
1507.10.2	Material standard	ASTM D2178	2015
1507.10.2	Material standard	ASTM D4601	2012
1507.10.2	Material standard	ASTM D4897	2009
1507.11.2	Material standard	ASTM D6162	2015
1507.11.2	Material standard	ASTM D6163	2015
1507.11.2	Material standard	ASTM D6164	2011
1507.11.2	Material standard	ASTM D6298	2013

3. REFERENCES:

Entity	Exam	Reference	Date	Entity	Exam	Reference	Date
Air-Ins (TST6679)	Physicals	AS-00561-A	10/29/2012	FM (TST1867)	FM 4470/4474	3032109	07/21/2008
ACRC (TST4671)	TAS 114	15-032	12/15/2015	FM (TST1867)	FM 4470/4474	3032172	06/12/2009
ACRC (TST4671)	TAS 114	15-033	12/15/2015	FM (TST1867)	FM 4470/4474	3036182	07/31/2009
ACRC (TST4671)	TAS 114	15-034	12/16/2015	FM (TST1867)	FM 4470/4474	797-05952-267	10/15/2010
ACRC (TST4671)	TAS 114	15-035	12/16/2015	FM (TST1867)	FM 4470/4474	3042559	06/28/2011
ACRC (TST4671)	TAS 114	15-036	12/17/2015	FM (TST1867)	FM 4470/4474	3042905 (released)	01/10/2012
ACRC (TST4671)	TAS 114	15-048	01/04/2016	FM (TST1867)	FM 4470/4474	797-07067-267	02/01/2012
ACRC (TST4671)	TAS 114	15-049	01/08/2016	FM (TST1867)	FM 4470/4474	3043007	02/09/2012
ACRC (TST4671)	TAS 114	19-003	06/11/2019	FM (TST1867)	FM 4470/4474	3044630	02/10/2012
CTL (TST1577)	TAS 114	CTLA 101R	09/23/2008	FM (TST1867)	FM 4470/4474	3044801	02/27/2012
CTL (TST1577)	TAS 114	CTLA 101R-A	09/23/2008	FM (TST1867)	FM 4470/4474	797-07177-267	02/27/2012
ERD (TST6049)	FM 4470/4474	2738.10.00-1	10/20/2000	FM (TST1867)	FM 4470/4474	3044004	03/16/2012
ERD (TST6049)	FM 4470/4474	2109.08.02	08/06/2002	FM (TST1867)	FM 4470/4474	3045734	04/04/2012
ERD (TST6049)	FM 4470/4474	2761.09.03	09/02/2003	FM (TST1867)	FM 4470/4474	797-07300-267	05/01/2012
ERD (TST6049)	FM 4470/4474	2764.09.03	09/16/2003	FM (TST1867)	FM 4470/4474	797-07330-267	05/09/2012
ERD (TST6049)	FM 4470/4474	2761.10.03-2	10/03/2003	FM (TST1867)	FM 4470/4474	797-07436-267	06/11/2012
ERD (TST6049)	FM 4470/4474	2766.12.03	12/01/2003	FM (TST1867)	FM 4470/4474	797-07582-267	08/15/2012
ERD (TST6049)	FM 4470/4474	2760.12.04-R1	12/23/2004	FM (TST1867)	FM 4470/4474	3046328 (released)	09/13/2012
ERD (TST6049)	Physicals	2757.02.05	02/03/2005	FM (TST1867)	FM 4470/4474	3041769 (released)	09/27/2012
ERD (TST6049)	FM 4470/4474	2760.01.05-3	02/22/2005	FM (TST1867)	FM 4470/4474	3045363 (released)	10/12/2012
ERD (TST6049)	FM 4470/4474	02848.04.05	04/26/2005	FM (TST1867)	FM 4470/4474	797-07782-267	10/23/2012
ERD (TST6049)	FM 4470/4474	2778.07.05	07/15/2005	FM (TST1867)	FM 4470/4474	3045101	11/05/2012
ERD (TST6049)	FM 4470/4474	2759.11.05	11/07/2005	FM (TST1867)	FM 4470/4474	797-07866-267	11/21/2012
ERD (TST6049)	FM 4470/4474	2774.04.05-R1	04/18/2007	FM (TST1867)	FM 4470/4474	3046765	02/15/2013
ERD (TST6049)	FM 4470/4474	2779.11.05-R1	04/18/2007	FM (TST1867)	FM 4470/4474	797-08179-267	03/25/2013
ERD (TST6049)	Physicals	S12370.03.09-2	03/06/2009	FM (TST1867)	FM 4470/4474	797-08292-267	04/22/2013
ERD (TST6049)	FM 4470/4474	S14000.08.09-R2	10/09/2009	FM (TST1867)	FM 4470/4474	797-08332-267	06/04/2013
ERD (TST6049)	Physicals	S12370.03.09-1-R1	03/06/2010	FM (TST1867)	FM 4470/4474	797-08475-267	06/25/2013
ERD (TST6049)	Physicals	S12370.03.09-3	03/06/2010	FM (TST1867)	FM 4470/4474	3047439	07/22/2013
ERD (TST6049)	FM 4470/4474	S30440.03.10-2-R2	06/01/2010	FM (TST1867)	FM 4470/4474	797-08591-267	08/14/2013
ERD (TST6049)	Physicals	S11140.11.10-3	11/17/2010	FM (TST1867)	FM 4470/4474	3051109	12/29/2013
ERD (TST6049)	Physicals	S11140.11.10-4	11/17/2010	FM (TST1867)	FM 4470/4474	3049322	01/17/2014
ERD (TST6049)	Physicals	S32700.12.10	12/15/2010	FM (TST1867)	FM 4470/4474	797-09031-267	01/24/2014
ERD (TST6049)	Physicals	S11440.12.10-1	12/16/2010	FM (TST1867)	FM 4470/4474	797-09183-267	02/17/2014
ERD (TST6049)	FM 4470/4474	S39320.01.12-R1	05/24/2012	FM (TST1867)	FM 4470/4474	797-09280-267	04/01/2014
ERD (TST6049)	Physicals	S35860.05.12-1-R1	05/04/2012	FM (TST1867)	FM 4470/4474	797-09311-267	04/14/2014
ERD (TST6049)	Physicals	S35860.05.12-3	05/08/2012	FM (TST1867)	FM 4470/4474	797-09314-267	04/21/2014
ERD (TST6049)	Physicals	S35860.05.12-2-R1	06/07/2012	FM (TST1867)	FM 4470/4474	3049890	06/20/2014

Entity	Exam	Reference	Date
ERD (TST6049)	Physicals	S39970.07.12	07/12/2012
ERD (TST6049)	Physicals	S39970.07.12-1A	07/12/2012
ERD (TST6049)	Physicals	S39970.07.12-1B	07/12/2012
ERD (TST6049)	Physicals	S39970.07.12-2	07/12/2012
ERD (TST6049)	FM 4470/4474	S43200SC	10/21/2012
ERD (TST6049)	FM 4470/4474	S45070.08.13	08/13/2013
ERD (TST6049)	FM 4470/4474	S45340.10.13	10/02/2013
ERD (TST6049)	FM 4470/4474	S47170SC	12/19/2013
ERD (TST6049)	FM 4470/4474	S47160.01.14	02/07/2014
ERD (TST6049)	FM 4470/4474	7075.06.14	06/25/2014
ERD (TST6049)	FM 4470/4474	S47300.08.14-2	08/19/2014
ERD (TST6049)	Criticality	S11440.11.10-3-R3	12/16/2010
ERD (TST6049)	Physicals	S43400.08.14-6	08/26/2014
ERD (TST6049)	Physicals	S44110.08.14-5	08/29/2014
ERD (TST6049)	Physicals	S43400.09.14-9	09/02/2014
ERD (TST6049)	Physicals	S44110.09.14-7C	09/02/2014
ERD (TST6049)	Physicals	S43400.09.14-10	09/08/2014
ERD (TST6049)	Physicals	S44110.09.14-1	09/08/2014
ERD (TST6049)	Physicals	S44110.09.14-3	09/08/2014
ERD (TST6049)	FM 4470/4474	S45340.10.14	10/15/2014
ERD (TST6049)	Criticality	S43210.11.14	11/10/2014
ERD (TST6049)	Physicals	S43400.08.14-7-R1	11/20/2014
ERD (TST6049)	FM 4470/4474	7075.11.14	11/20/2014
ERD (TST6049)	Physicals	S43400.08.14-4-R1	11/24/2014
ERD (TST6049)	Physicals	S43400.08.14-5	11/26/2014
ERD (TST6049)	Physicals	S43400.12.14-8	12/10/2014
ERD (TST6049)	FM 4470/4474	SC6620.10.14	10/06/2014
ERD (TST6049)	FM 4470/4474	NG-SC9815.11.15	11/06/2015
ERD (TST6049)	FM 4470/4474	SOP-SC11825.16	10/19/2016
ERD (TST6049)	FM 4470/4474	SOP-SC13130.10.16	10/25/2016
ERD (TST6049)	FM 4470/4474	CEL-SC12910.11.16	11/02/2016
ERD (TST6049)	FM 4470/4474	SOP-SC14555.07.17	07/24/2017
ERD (TST6049)	Criticality	SOP-SC14545.10.17	10/24/2017
ERD (TST6049)	FM 4470/4474	SOP-SC14560.12.17	12/15/2017
FM (TST1867)	FM 4470/4474	1W8A1.AM	02/04/1994
FM (TST1867)	FM 4470/4474	3X3A7.AM	09/08/1994
FM (TST1867)	FM 4470/4474	2B8A4.AM	07/02/1997
FM (TST1867)	FM 4470/4474	1D7A4.AM	11/09/1998
FM (TST1867)	FM 4470/4474	3011494	08/22/2001
FM (TST1867)	FM 4470/4474	3009610	10/15/2001
FM (TST1867)	FM 4470/4474	3002351	02/28/2003
FM (TST1867)	FM 4470/4474	3014751	08/27/2003
FM (TST1867)	FM 4470/4474	3018579	10/09/2003
FM (TST1867)	FM 4470/4474	3008411	11/03/2003
FM (TST1867)	FM 4470/4474	3010173	02/24/2004
FM (TST1867)	FM 4470/4474	3017614	02/27/2006
FM (TST1867)	FM 4470/4474	3022038	04/05/2006
FM (TST1867)	FM 4470/4474	3024594	05/19/2006
FM (TST1867)	FM 4470/4474	3026028	05/25/2006
FM (TST1867)	FM 4470/4474	3023458	07/18/2006
FM (TST1867)	FM 4470/4474	3023749	09/28/2006
FM (TST1867)	FM 4470/4474	3024311	11/01/2006
FM (TST1867)	FM 4470/4474	3025185	05/22/2007
FM (TST1867)	FM 4470/4474	3030926	08/07/2007
FM (TST1867)	FM 4470/4474	3028631	08/09/2007
FM (TST1867)	FM 4470/4474	3026964	07/25/2007
FM (TST1867)	FM 4470/4474	3029098	10/25/2007
FM (TST1867)	FM 4470/4474	797-03385-267	01/23/2008

Entity	Exam	Reference	Date
FM (TST1867)	FM 4470/4474	3047351	10/09/2014
FM (TST1867)	FM 4470/4474	3053841	12/02/2014
FM (TST1867)	FM 4470/4474	3053933	03/17/2015
FM (TST1867)	FM 4470/4474	3055384	03/27/2015
FM (TST1867)	FM 4470/4474	3051831	04/14/2015
FM (TST1867)	FM 4470/4474	3051109	05/11/2015
FM (TST1867)	FM 4470/4474	RR203007	12/14/2015
FM (TST1867)	FM 4470/4474	3054633	12/18/2015
FM (TST1867)	FM 4470/4474	3057342 (data)	12/23/2015
FM (TST1867)	FM 4470/4474	RR203472	02/05/2016
FM (TST1867)	FM 4470/4474	3055167	02/10/2016
FM (TST1867)	FM 4470/4474	3053475	02/11/2016
FM (TST1867)	FM 4470/4474	3059307	12/13/2016
FM (TST1867)	FM 4470/4474	3057888	01/16/2017
FM (TST1867)	FM 4470/4474	3057578	12/07/2017
FM (TST1867)	FM 4470/4474	3063320	07/11/2019
FM (TST1867)	FM 4470/4474	PR456300 (data)	03/11/2020
IRT (TST5296)	TAS 114	02-017	04/16/2002
IRT (TST5296)	TAS 114	02-022	06/07/2002
IRT (TST5296)	TAS 114	02-031	09/05/2002
NEMO (TST6049)	FM 4474	4-SOP-18-005; C-1B	03/27/2018
NEMO (TST6049)	FM 4474	4-SOP-18-005.04.18-2	04/04/2018
NEMO (TST6049)	ASTM D6163	4S-SOP-18-001.05.18-1	05/11/2018
NEMO (TST6049)	ASTM D6163	4S-SOP-18-001.05.18-2	05/11/2018
NEMO (TST6049)	Criticality	4S-SOP-18-001.08.18-5	08/31/2018
NEMO (TST6049)	Criticality	4S-SOP-18-004.09.18	09/19/2018
NEMO (TST6049)	FM 4474	4L-SOP-18-005.09.18-2	09/20/2018
NEMO (TST6049)	FM 4474	4L-SOP-18-005.07.18-3	09/26/2018
NEMO (TST6049)	ASTM D6164	4S-SOP-18-001.08.18-3	09/26/2018
NEMO (TST6049)	FM 4474	4L-SOP-18-005.08.18-2	09/26/2018
NEMO (TST6049)	FM 4474	NG-SC16705.10.18	10/29/2018
NEMO (TST6049)	FM 4474	4L-SOP-18-005.08.18-1	01/25/2019
NEMO (TST6049)	FM 4474	4L-SOP-18-005.02.19-A	02/12/2019
NEMO (TST6049)	FM 4474	4a-SOP-19-LSWUS-02.A	04/25/2019
NEMO (TST6049)	Criticality	4i-SOP-19-SSCRT-02.A	09/16/2019
NEMO (TST6049)	Criticality	4i-SOP-19-SSCRT-01.A	10/22/2019
NEMO (TST6049)	FM 4474	4a-SOP-19-LSWUS-05.A	10/23/2019
NEMO (TST6049)	FM 4474	4a-SOP-19-LSWUS-07.A	11/20/2019
NEMO (TST6049)	FM 4474	4a-SOPC-19-LSWUS-01.A	03/10/2020
NEMO (TST6049)	FM 4474	4a-SOP-19-LSWUS-08.A	05/13/2020
NEMO (TST6049)	FM 4474	4a-SOP-19-LSWUS-09.A	05/15/2020
NEMO (TST6049)	FM 4474	4a-SOPC-20-LSWUS-01.A	09/15/2020
NEMO (TST6049)	FM 4474	4a-NG-20-LSWUS-02.A	12/03/2020
PRI (TST5878)	FM 4474	SOP-012-02-01	05/08/2012
PRI (TST5878)	FM 4474	SOP-012-02-02	05/08/2012
PRI (TST5878)	FM 4474	SOP-033-02-01	05/10/2012
PRI (TST5878)	Physicals	SOP-046-02-01	09/07/2012
PRI (TST5878)	ASTM D4897	MSA-006-02-01	06/17/2015
PRI (TST5878)	FM 4474	SOP-074-02-01	04/19/2016
PRI (TST5878)	FM 4474	SOP-089-02-01	07/22/2016
PRI (TST5878)	Criticality	SOP-080-02-02	12/16/2016
PRI (TST5878)	FM 4470	SOP-082-02-01	12/16/2016
PRI (TST5878)	FM 4474	SOP-126-02-01	05/18/2017
PRI (TST5878)	FM 4474	PRS-076-02-01	02/21/2018
PRI (TST5878)	Criticality	SOP-147-02-01	11/01/2018
PRI (TST5878)	FM 4474	410T0004	03/13/2020
NRC-CNRC	Wind Uplift	NRCC-45988	02/28/2003
UL (QUA9625)	Quality Control	Service Confirm	04/02/2019

4. PRODUCT DESCRIPTION:

4.1 This Evaluation Report covers **Soprema Modified Bitumen Roof Systems** installed in accordance with **Soprema** published installation instructions and the Limitations / Conditions of Use herein.

TABLE 1: EVALUATED MEMBRANES

Type	Product	Material Standard			Plant(s)
		Reference	Type	Grade	
Base Sheets	MODIFIED SOPRA G	ASTM D4601	2	N/A	OH
	SOPRABASE S	ASTM D4601	2	N/A	OH
	SOPRABASE TG	ASTM D4601	2	N/A	OH
	ULTRA-STICK NAILBASE	ASTM D4601	2	N/A	OH
	SOPRA 4897	ASTM D4897	N/A	N/A	AL
Ply Sheets	SOPRA IV	ASTM D2178	4	N/A	AL
	SOPRA VI	ASTM D2178	6	N/A	AL
Mechanically Attached, Smooth SBS Membranes	SOPRAFIX Base 611	ASTM D6164	1	S	MS, OH
	SOPRAFIX Base 612	ASTM D6164	1	S	MS, OH
	SOPRAFIX Base 613	ASTM D6164	1	S	MS, OH
	SOPRAFIX Base 622	ASTM D6164	1	S	MS, OH
	SOPRAFIX Base 614	ASTM D6164	2	S	MS
Base Ply and Ply Membranes	ELASTOPHENE Flam HS	ASTM D6162	3	S	MS
	COLVENT TG	ASTM D6163	1	S	OH
	ELASTOPHENE Flam 2.2	ASTM D6163	1	S	MS, OH
	ELASTOPHENE Flam 3.0	ASTM D6163	1	S	MS, OH
	ELASTOPHENE Flam Stick	ASTM D6163	1	S	QC
	ELASTOPHENE PS 2.2	ASTM D6163	1	S	MS, OH
	ELASTOPHENE PS 3.0	ASTM D6163	1	S	OH
	ELASTOPHENE Sanded 2.2	ASTM D6163	1	S	MS, OH
	ELASTOPHENE Sanded 3.0	ASTM D6163	1	S	MS, OH
	ELASTOPHENE SP 2.2	ASTM D6163	1	S	OH
	ELASTOPHENE SP 3.0	ASTM D6163	1	S	MS, OH
	ELASTOPHENE Stick	ASTM D6163	1	S	QC, OH
	ELASTOPHENE ULTRA-STICK	ASTM D6163	1	S	OH
	ELASTOPHENE HS Sanded	ASTM D6163	3	S	MS
	COLVENT 180 TG	ASTM D6164	1	S	OH
	COLVENT Flam 180 TG	ASTM D6164	1	S	OH
	SOPRALENE 180 PS 2.2	ASTM D6164	1	S	MS, OH
	SOPRALENE 180 PS 3.0	ASTM D6164	1	S	MS, OH
	SOPRALENE 180 Sanded	ASTM D6164	1	S	MS, OH
	SOPRALENE 180 Sanded 2.2	ASTM D6164	1	S	MS, OH
	SOPRALENE 180 SP 3.0	ASTM D6164	1	S	MS, OH
	SOPRALENE 180 SP 3.5	ASTM D6164	1	S	MS, OH
	SOPRALENE Flam 180	ASTM D6164	1	S	MS, OH
	SOPRALENE Flam Stick	ASTM D6164	1	S	MS, OH
	SOPRALENE Stick	ASTM D6164	1	S	MS, OH
	SOPRALENE ULTRA-STICK	ASTM D6164	1	S	OH
	SOPRALENE 250 Sanded	ASTM D6164	2	S	MS
	SOPRALENE 250 SP	ASTM D6164	2	S	MS
	SOPRALENE Flam 250	ASTM D6164	2	S	MS

TABLE 1: EVALUATED MEMBRANES					
Type	Product	Material Standard			Plant(s)
		Reference	Type	Grade	
Cap Ply Membranes	ELASTOPHENE Flam FR GR	ASTM D6163	1	G	OH
	ELASTOPHENE Flam LS FR GR	ASTM D6163	1	G	MS, OH
	ELASTOPHENE FR GR	ASTM D6163	1	G	OH
	ELASTOPHENE LS FR GR	ASTM D6163	1	G	OH
	ELASTOPHENE Stick FR GR	ASTM D6163	1	G	OH
	ELASTOPHENE Stick HR FR GR	ASTM D6163	1	G	OH
	ELASTOPHENE ULTRA-STICK FR GR	ASTM D6163	1	G	OH
	SOPRALENE 180 FR GR	ASTM D6164	1	G	MS, OH
	SOPRALENE Flam 180 FR GR	ASTM D6164	1	G	MS, OH
	SOPRALENE Flam 180 FR GR 3.5	ASTM D6164	1	G	MS
	SOPRALENE Flam 180 GR	ASTM D6164	1	G	MS, OH
	SOPRALENE Flam 180 GR 3.5	ASTM D6164	1	G	MS, OH
	SOPRALENE 250 FR GR	ASTM D6164	2	G	OH
	SOPRALENE Flam 250 FR GR	ASTM D6164	2	G	OH
	UNILAY	ASTM D6164	2	G	OH
	SOPRALAST 50 TV Alu	ASTM D6298	1	N/A	OH
	SOPRALAST 50 TV Alu Sanded	ASTM D6298	1	N/A	OH

5. LIMITATIONS:

5.1 This is a Building Code Evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).

5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.

5.5 This Evaluation Report does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.

5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.

5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with **ANSI/SPRI FX-1** or **Testing Application Standard TAS 105**.

5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with **ANSI/SPRI IA-1**, **ASTM E907**, **FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124** shall be conducted on mock-ups of the proposed new roof assembly.

5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with **ASTM E907**, **FM Loss Prevention Data Sheet 1-52** or **Testing Application Standard TAS 124**.

5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.

5.7.1 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.

5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are **ANSI/SPRI WD1**, **FM Loss Prevention Data Sheet 1-29**, **Roofing Application Standard RAS 117** and **Roofing Application Standard RAS 137**. Assemblies marked with an asterisk* carry the limitations set forth in **Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020)** for Zone 2/3 enhancements.

5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.

5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on Page 1 of this Evaluation Report.

6. INSTALLATION:

Soprema Modified Bitumen Roof Systems shall be installed in accordance with **Soprema** published installation instructions, subject to the Limitations / Conditions of Use herein.

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (414) 248-6409; karen.buchmann@us.ul.com

- THE 129-PAGES THAT FOLLOW FORM PART OF THIS EVALUATION REPORT -

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE

APPENDIX 1: ATTACHMENT REQUIREMENTS FOR WIND UPLIFT RESISTANCE					
TABLE	**DECK**	**APPLICATION**	**TYPE**	**DESCRIPTION**	**PAGE**
7B	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	B-1	Mech. Attached Base Insulation, Bonded Top Insulation, Bonded Roof Cover	126-128
7C	Existing LWIC	Reroof (Tear-Off)	E-1	Non-Insulated, Mech. Attached Base Sheet, Bonded Roof Cover	128
7D	Existing LWIC or Gypsum	Reroof (Tear-Off) or Recover	E-2	Non-Insulated, Mech. Attached SOPRAFIX, Bonded Roof Cover	129
7E	Various	Recover	F	Non-Insulated, Bonded Roof Cover	129

The following notes apply to the systems outlined herein:

1. The roof system evaluation herein pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.

2. Unless otherwise noted, fasteners and stress plates for insulation attachment shall be as follows. Fasteners shall be of sufficient length for the following engagements:
   - Wood Deck: OMG #14 Roof grip with Flat Bottom Plate (Accutrac), OMG HD with OMG 3 in. Galvalume Steel Plate, Dekfast #14 with Hex Plate or 3" Round Insulation Plate, Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate. Minimum 0.75-inch plywood penetration or minimum 1-inch wood plank embedment.
   - Steel Deck: OMG #12 or #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrac), OMG #12 Standard or HD with OMG 3 in. Galvalume Steel Plate, Dekfast #12 or #14 with Hex Plate or 3" Round Insulation Plate, Trufast #12 DP, Soprema #12 DP Fastener or Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate or Soprema #12 or #14 Fastener with Soprema 3 in. Insulation Plate. Minimum 0.75-inch steel penetration and engage the top flute of the steel deck.
   - Structural Concrete: OMG #14 Roofgrip with Recessed or Flat Bottom Plate (Accutrac), OMG HD or CD-10 with OMG 3 in. Galvalume Steel Plate, Dekfast #14 with Hex Plate or 3" Round Insulation Plate, Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate. Minimum 1-inch embedment. Fasteners installed with a pilot hole in accordance with the fastener manufacturer's published installation instructions.

3. Unless otherwise noted, insulation may be any one layer or combination of FBC Approved (Local or Statewide) board(s) that meet FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover.

4. Minimum 200 psi, minimum 2-inch thick FBC Approved lightweight insulating concrete may be substituted for rigid insulation board for System Types B-1, C-1, C-2, D-1 or D-2, whereby fasteners are installed through the lightweight insulating concrete to engage the structural deck. The structural deck shall be of equal or greater type, thickness and strength to the steel and structural concrete deck listings. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction. This is a wind uplift resistance allowance and does not purport to address non-wind-uplift-related issues, such as deck venting or moisture levels within the LWIC and the potential effect on overlying components.

5. Preliminary insulation attachment for System Type D: Unless otherwise noted, refer to Section 2.2.10.1.3 of FM Loss Prevention Data Sheet 1-29 (February 2020).

6. Unless otherwise noted, insulation adhesive application rates are as follows. Ribbon or bead width is at the time of application; the ribbons/beads shall expand as noted in the manufacturer's published instructions.
   - hot asphalt: Full coverage at 25-30 lbs/square
   - DUOTACK: Continuous 0.5 to 0.75-inch wide ribbons, 12-inch o.c. *Note: DUOTACK 365 may be used anywhere DUOTACK is referenced.*
   - DUOTACK SPF: Continuous 2.5-inch wide ribbons, max. 12-inch o.c. *Note: DUOTACK SPF may be used anywhere DUOTACK is referenced, except over existing gypsum decks, in recover applications over existing smooth-surfaced built-up roof (BUR) or when used to bond SOPRABOARD or expanded polystyrene.*
   - *Note: When multiple layers(s) of insulation and/or coverboard are installed, boards shall be staggered from layer-to-layer.*
   - *Note: The maximum edge distance from the adhesive ribbon to the edge of the insulation board shall be not less than one-half the specified ribbons spacing.*

7. Unless otherwise noted, all insulations are flat stock or taper board of the minimum thickness noted. Min. 0.5-inch thick tapered polyisocyanurate may be substituted, but the maximum allowable design pressure (MDP) is -157.5 psf. In no case shall these values be used to 'increase' the MDP listings in the tables; rather if MDP listing below meets or exceeds that listed for a particular system in the tables, then the thinner board listed below may be used as a drop-in for the equivalent thicker material listed in the table.

8. For adhered roof insulation and board-size: Unless otherwise noted, refer to Section 2.2.10.6.2 of FM Loss Prevention Data Sheet 1-29 (February 2020).

9. For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with FBC Chapter 16. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are ANSI/SPRI WD1, FM Loss Prevention Data Sheet 1-29, Roofing Application Standard RAS 117 and Roofing Application Standard RAS 137. Assemblies marked with an asterisk* carry the limitations set forth in Section 2.2.10.1 of FM Loss Prevention Data Sheet 1-29 (February 2020) for Zone 2/3 enhancements.

10. For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.

11. For mechanically attached components over existing decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing and analysis shall be in accordance with ANSI/SPRI FX-1 or Testing Application Standard TAS 105.

12. For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with ASTM E907, FM Loss Prevention Data Sheet 1-52 or Testing Application Standard TAS 124.

13. Refer to FBC 1511 for requirements and limitations regarding recover installations. For Structural Concrete Deck or Recover Applications using System Type C-1, C-2, D-1 or D-2, the insulation is optional. Alternatively, an FBC Approved insulation board or coverboard may be used as a separation layer. Board products shall be preliminarily attached prior to roof cover installation (Note 5 herein). The separator component shall be documented as meeting FBC 1505 and, for foam plastic, FBC Chapter 26, when installed with the roof cover in Recover applications.

14. Lightweight insulating concrete (LWIC) shall be cast in accordance with FBC Section 1917 to the satisfaction of the Authority Having Jurisdiction. For systems where specific LWIC is referenced, refer to current LWIC Product Approval for specific deck construction and limitations. Unless otherwise noted, for systems where specific LWIC is not referenced, the minimum design mix shall be 300 psi. In all cases, the minimum top-coat thickness is 2-inches. For LWIC over structural concrete, reference is made to FBC Section 1917.4.1, Point 1. For "pre-existent" LWIC references, listings were established through testing over lightweight concrete cast using only foaming agent (ASTM C896), water and Portland cement (ASTM C150), with no proprietary additives, in accordance with procedures adopted by Miami-Dade BCCO (FBC CER1592). Use of these listings in new construction or re-roof (tear-off) applications is at the discretion of the Designer or Record and Authority Having Jurisdiction.

15. For single-ply membranes in System Type D-1 steel deck applications, the roof membrane shall be run with its length perpendicular to the steel deck flutes. For bonded membrane applications, unless otherwise noted, refer to the following.

MEMBRANE / ADHESIVE COMBINATIONS

REFERENCE	LAYER	MATERIALS	APPLICATION
SBS-CA2	Base:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded	0.5 to 1-inch wide ribbons COLPLY EF spaced as noted
	Cap:	ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-CA3	Base/ Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded	COLPLY EF Adhesive at 1.5 – 2.5 gal/square
	Cap:	ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-CA4	Base/Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded	COLPLY Adhesive at 1.5 - 2 gal/square
	Cap:	ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
BP-AA	Base/ Ply:	One or more MODIFIED SOPRA G, SOPRABASE S, SOPRA IV, SOPRA VI	hot asphalt at 20-40 lbs/square
SBS-AA	Base/ Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded	
	Cap:	ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-AA2	Base/ Ply:	ELASTOPHENE HS Sanded, ELASTOPHENE Sanded 2.2, ELASTOPHENE Sanded 3.0, ELASTOPHENE PS 2.2✧, ELASTOPHENE PS 3.0✧, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded, SOPRALENE 180 PS 2.2✧, SOPRALENE 180 PS 3.0✧, SOPRALENE 250 Sanded	SOPRASPHALT M at 25 lbs/square
	Cap:	ELASTOPHENE LS FR GR, ELASTOPHENE FR GR, SOPRALENE 180 FR GR, SOPRALENE 250 FR GR	
SBS-TA-P	Base:	COLVENT TG, COLVENT 180 TG, COLVENT Flam 180 TG✧	Torch-applied, Partial Bond
SBS-TA-F	Base/ Ply:	ELASTOPHENE Flam HS✧, ELASTOPHENE Flam 2.2✧, ELASTOPHENE Flam 3.0✧, ELASTOPHENE SP 2.2, ELASTOPHENE SP 3.0, SOPRALENE Flam 180✧, SOPRALENE 180 SP 3.0, SOPRALENE 180 SP 3.5, SOPRALENE Flam 250✧, SOPRALENE 250 SP	Torch-Applied, Full Bond
	Cap:	ELASTOPHENE Flam LS FR GR, ELASTOPHENE Flam FR GR, SOPRALENE Flam 180 GR, SOPRALENE Flam 180 GR 3.5, SOPRALENE Flam 180 FR GR, SOPRALENE Flam 180 FR GR 3.5, SOPRALENE Flam 250 FR GR, SOPRALAST 50 TV Alu	
SBS-SA1	Base/ Ply:	ELASTOPHENE Stick, ELASTOPHENE Flam Stick ✧; SOPRALENE Stick, SOPRALENE Flam Stick✧	Self-Adhering, Full Bond
	Cap:	ELASTOPHENE Stick FR GR, ELASTOPHENE Stick HR FR GR	
SBS-SA2	Base Ply:	ELASTOPHENE ULTRA-STICK, SOPRALENE ULTRA-STICK	Self-Adhering, Full Bond
	Cap:	ELASTOPHENE ULTRA-STICK FR GR	
Note:	Base / Ply membranes marked with an asterisk (✧) have a poly-film top surface, and require installation of a torch-applied membrane overtop.		

MEMBRANE / ADHESIVE COMBINATIONS			
REFERENCE	**LAYER**	**MATERIALS**	**APPLICATION**
Note:	Top surfaces of Soprema membranes having a sand finish shall be primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero at 1 gal/sq. (0.6 l/m2) prior to application of subsequent self-adhering (SBS-SA1) membranes.		
Note:	Top surfaces of Soprema membranes having a sand finish may be (optional) primed with Elastocol 500 1 gal/sq. (0.6 l/m2) prior to application of subsequent cold-adhesive-applied (SBS-CA3 or SBS-CA4) or torch-applied (SBS-TA) membranes.		

16. Thermal barrier / vapor barrier combination options for use over **steel decks** followed by bonded insulation and/or coverboard carry the following MDP limitations. The lesser of the MDP listings below vs. those for "Top Insulation Layer(s)" in **Table 2A** applies:

THERMAL BARRIER / VAPOR BARRIER OPTIONS; STEEL DECKS; FOLLOWED BY BONDED TOP INSULATION LAYER(S) PER TABLE 2A:							
OPTION #	**THERMAL BARRIER**			**PRIMER**	**VAPOR BARRIER (NOTE 15)**	**ADHESIVE (NOTES 6,7&8)**	**MDP (PSF)**
	TYPE	**FASTEN**	**ATTACH**				
TB/VB-1.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top surface)	DUOTACK	-45.0*
TB/VB-2.	0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-CA3 (sanded top surface)	DUOTACK	-45.0*
TB/VB-3.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL 500	SBS-TA-F (sanded top surface)	DUOTACK	-45.0*
TB/VB-4.	0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	None	SBS-TA-F (sanded top surface)	DUOTACK	-45.0*
TB/VB-5.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top surface)	DUOTACK	-45.0*
TB/VB-6.	0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top surface)	DUOTACK	-45.0*
TB/VB-7.	0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-CA3 (sanded top surface)	DUOTACK	-75.0
TB/VB-8.	0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-TA-F (sanded top surface)	DUOTACK	-75.0
TB/VB-9.	0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top surface)	DUOTACK	-75.0
TB/VB-10.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	None	SBS-CA3, SBS-CA4 or SBS-AA (sanded top surface)	DUOTACK	-82.5
TB/VB-11.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL 500	SBS-TA-F (sanded top surface)	DUOTACK	-82.5
TB/VB-12.	Min. 0.5-inch DensDeck, DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R or SBS-SA1 (sanded top surface)	DUOTACK	-82.5
TB/VB-13.	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK 365	6-inch o.c.	ELASTOCOL Stick or ELASTOCOL Stick Zero	SOPRAVAP'R	DUOTACK	-127.5

17. Vapor barrier options for use over **structural concrete deck** followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in **Table 3A** applies:

ONE-PLY VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY BONDED INSULATION PER TABLE 3A:				
OPTION #	PRIMER	VAPOR BARRIER (NOTE 15)	INSULATION ADHESIVE (NOTES 6,7&8)	MDP (PSF)
C-VB-1.	none	SOPRASMART XP HD 180 Sanded applied in DUOTACK, ribbons 12-inch o.c. (laps are torched or sealed with a hot air gun)	DUOTACK	-52.5
C-VB-2.	ASTM D41	SBS-CA4 (granule top surface)	DUOTACK	-97.5
C-VB-3.	ASTM D41	SBS-CA4 (sanded top surface)	DUOTACK	-120.0
C-VB-4.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK	-120.0
C-VB-5.	(Optional) ASTM D41, Elastocol 500	SBS-CA3 (granule top surface)	DUOTACK	-195.0
C-VB-6.	ASTM D41	SBS-AA (granule top surface)	DUOTACK	-195.0
C-VB-7.	ASTM D41	SBS-TA-F (granule top surface)	DUOTACK	-195.0
C-VB-8.	Elastocol Stick, Elastocol Stick Zero	SBS-SA1 (granule top surface)	DUOTACK	-195.0
C-VB-9.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK *(ribbons shall be applied perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-10.	ASTM D41	SBS-TA-P (sanded top surface)	DUOTACK	-232.5
C-VB-11.	Elastocol Stick Zero	SOPRAVAP'R, self-adhering	DUOTACK	-240.0
C-VB-12.	none	SBS-CA3 (sanded top surface)	DUOTACK	-255.0
C-VB-13.	ASTM D41, Elastocol 500	SBS-CA3 (sanded top surface)	DUOTACK	-270.0
C-VB-14.	ASTM D41	SBS-AA (sanded top surface)	DUOTACK	-270.0
C-VB-15.	Elastocol Stick, Elastocol Stick Zero	SBS-SA1 (sanded top surface)	DUOTACK	-315.0
C-VB-16.	ASTM D41	SBS-TA-F (sanded top surface)	DUOTACK	-382.5
C-VB-17.	none	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	DUOTACK, 6-inch o.c.	-445.0
C-VB-18.	ASTM D41	SBS-AA (sanded top surface)	hot asphalt	-210.0
C-VB-19.	ASTM D41	SOPRA IV, SOPRA VI, MODIFIED SOPRA G applied in hot asphalt	hot asphalt	-270.0
C-VB-20.	none	SBS-CA2 (sanded-top-surface), ribbons 6-inch o.c.	hot asphalt	-367.5
C-VB-21.	ASTM D41	SBS-TA-F (sanded top surface)	hot asphalt	-367.5

MINIMUM TWO-PLY VAPOR BARRIER OPTIONS; STRUCTURAL CONCRETE DECK; FOLLOWED BY BONDED INSULATION PER TABLE 3A:					
OPTION #	PRIMER	VAPOR BARRIER (NOTE 15)		INSULATION ADHESIVE (NOTES 6,7&8)	MDP (PSF)
		BASE PLY	TOP PLY		
C-VB-22.	ASTM D41	SBS-CA4	SBS-CA4, SBS-AA or SBS-TA-F (granule top surface)	DUOTACK	-97.5
C-VB-23.	ASTM D41	SBS-CA4	SBS-CA4 (sanded top surface)	DUOTACK	-120.0
C-VB-24.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TA-F (sanded- or granule-top-surface)	DUOTACK	-120.0
C-VB-25.	(Optional) ASTM D41, Elastocol 500	SBS-CA3	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1 (granule top surface)	DUOTACK	-195.0
C-VB-26.	ASTM D41	SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1 (granule top surface)	DUOTACK	-195.0
C-VB-27.	Elastocol Stick, Elastocol Stick Zero	SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1 (granule top surface)	DUOTACK	-195.0
C-VB-28.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TA-F (sanded- or granule-top-surface)	DUOTACK *(ribbons shall be applied perpendicular to vapor barrier adhesive ribbons)*	-207.5
C-VB-29.	ASTM D41	SBS-TA-P	SBS-TA-F (sanded top surface)	DUOTACK	-232.5
C-VB-30.	none	SBS-CA3	SBS-CA3 (sanded top surface)	DUOTACK	-255.0
C-VB-31.	ASTM D41, Elastocol 500	SBS-CA3	SBS-CA3 (sanded top surface)	DUOTACK	-270.0
C-VB-32.	ASTM D41	BP-AA	BP-AA	DUOTACK	-270.0
C-VB-33.	ASTM D41	SBS-AA	SBS-AA (sanded top surface)	DUOTACK	-270.0

Minimum Two-Ply Vapor Barrier Options; Structural Concrete Deck; Followed by Bonded Insulation per Table 3A:					
Option #	Primer	Vapor Barrier (Note 15)		Insulation Adhesive (Notes 6,7&8)	MDP (psf)
		Base Ply	Top Ply		
C-VB-34.	Elastocol Stick, Elastocol Stick Zero	SBS-SA1	SBS-SA1 (sanded top surface)	DUOTACK	-315.0
C-VB-35.	ASTM D41	SBS-TA-F	SBS-TA-F (sanded top surface)	DUOTACK	-382.5
C-VB-36.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
C-VB-37.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-TA-F (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0
C-VB-38.	ASTM D41	SBS-AA	SBS-AA (sanded top surface)	hot asphalt	-210.0
C-VB-39.	ASTM D41	BP-AA	BP-AA	hot asphalt	-270.0
C-VB-40.	none	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TA-F (sanded-top-surface)	hot asphalt	-367.5
C-VB-41.	ASTM D41	SBS-TA-F	SBS-TA-F (sanded top surface)	hot asphalt	-367.5
Note:	***Top surfaces of membranes having a sand finish shall be primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero prior to application of subsequent self-adhering membranes.***				

18. Optional dry-in / temporary roof options for use over **structural concrete deck** followed by **Lightweight Concrete** carry the following Maximum Design Pressure (MDP) limitations. The lesser of the MDP listings below vs. those in the LWC system listing tables applies.

Dry-In / Temporary Roof Options; Structural Concrete Deck; Followed by LWC per LWC System Tables:				
Option #	Primer	Dry-In / Temporary Roof		MDP (psf)
		Base Ply	Cap Ply	
LWC-VB-1.	None	SBS-CA3 (sanded-top-surface)	None	-255.0
LWC-VB-2.	None	SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-255.0
LWC-VB-3.	ASTM D41, Elastocol 500	SBS-CA3 (sanded-top-surface)	None	-270.0
LWC-VB-4.	ASTM D41, Elastocol 500	SBS-CA3	SBS-CA3 (sanded- or granule-top-surface)	-270.0
LWC-VB-5.	ASTM D41, Elastocol 500	SBS-TA-F (sanded-top-surface)	None	-367.5
LWC-VB-6.	ASTM D41, Elastocol 500	SBS-TA-F	SBS-TA-F (sanded- or granule-top-surface)	-367.5
LWC-VB-7.	None	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	-382.5
LWC-VB-8.	None	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	-445.0
LWC-VB-9.	None	SBS-CA2, ribbons 6-inch o.c.	SBS-TA-F (sanded- or granule-top-surface)	-445.0

19. Vapor barrier options for use over **existing gypsum decks** followed by bonded insulation carry the following MDP limitations. The lesser of the MDP listings below vs. those in **Table 3A or 6A** applies:

Vapor Barrier Options; Existing Gypsum Decks; Followed by Bonded Insulation per Table 3A or 6A:				
Option #	Vapor Barrier (Note 15)		Insulation Adhesive (Notes 6,7&8)	MDP (psf)
	Base Ply	Cap Ply		
GYP-VB-1.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK	-120.0
GYP-VB-2.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TA-F (sanded- or granule-top-surface)	DUOTACK	-120.0
GYP-VB-3.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK *(ribbons shall be applied perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-4.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 or SBS-TA-F (sanded- or granule-top-surface)	DUOTACK *(ribbons shall be applied perpendicular to vapor barrier adhesive ribbons)*	-207.5
GYP-VB-5.	SBS-CA2, ribbons 6-inch o.c.	SBS-CA3 (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-382.5
GYP-VB-6.	SBS-CA2 (sanded- or granule-top-surface), ribbons 6-inch o.c.	None	DUOTACK, 6-inch o.c.	-445.0
GYP-VB-7.	SBS-CA2, ribbons 6-inch o.c.	SBS-TA-F (sanded- or granule-top-surface)	DUOTACK, 6-inch o.c.	-445.0

20. The following surfacing may be applied to the Cap Ply without adverse effect on the system wind load performance. Refer to current Florida Product Approval for approved SOPREMA roof coatings and the Roofing Materials Directory for fire ratings associated with coating usage.

SURFACING OPTIONS FOR SOPREMA MODIFIED BITUMEN ROOF SYSTEMS		
Option #	**Surfacing**	**Florida Product Approval**
SURF-1.	ALSAN RS 230 Field, ALSAN Trafik RS 730 Field or ALSAN RS 260 LO Field liquid-applied, reinforced membrane, or ALSAN RS 230 Flash, ALSAN Trafik RS 730 Flash or ALSAN RS 260 LO Flash liquid-applied flashing membrane	FL9779
SURF-2.	ALSAN Coating AC 401 acrylic roof coating (to granule surface only)	FL9779
SURF-3.	ALSAN SIL 402 silicone roof coating (to granule surface only)	FL9779
SURF-4.	Flood coat of hot asphalt at 60 lbs/square followed by embedded gravel at 400 lbs/square.	N/A
SURF-5.	COLPLY Adhesive at 4 gal/square followed by embedded gravel at 400 lbs/square.	FL9779

21. SOPRAFIX INSTALLATIONS:
    - SOPRAFIX Base 611, SOPRAFIX Base 612, SOPRAFIX Base 613, SOPRAFIX Base 614 and SOPRAFIX Base 622 laps are heat or hot air welded. Welding is limited to hot air when using Polymer Batten Bars.
    - Insulation is required in New Construction or Re-Roof (Tear-Off), Steel Deck applications. Insulation is optional in New Construction or Re-Roof (Tear-Off), Wood, Structural Concrete or CWF applications or Recover applications. Insulation shall not be installed atop New Construction, Lightweight Insulating Concrete Decks.
    - Top layer of insulation shall be preliminarily attached (Note 5).
    - The following are considered equivalent within the scope of this evaluation.

LISTED SOPRAFIX MEMBRANE	ACCEPTABLE ALTERNATIVES
SOPRAFIX BASE 611	SOPRAFIX BASE 612, SOPRAFIX BASE 613, SOPRAFIX BASE 614, SOPRALENE FLAM 180, SOPRALENE FLAM 250
SOPRAFIX BASE 612	SOPRAFIX BASE 614, SOPRALENE FLAM 180, SOPRALENE FLAM 250
SOPRAFIX BASE 613	SOPRAFIX BASE 612, SOPRAFIX BASE 614, SOPRALENE FLAM 180, SOPRALENE FLAM 250
SOPRAFIX BASE 614	SOPRALENE FLAM 250
SOPRAFIX BASE 622	SOPRALENE 180 Sanded, SOPRALENE 180 SP 3.0, SOPRALENE 180 SP 3.5, SOPRALENE 250 Sanded, SOPRALENE 250 SP

22. SOPRAVAP'R may be installed atop the roof deck prior to installation of the insulation for System Types B-1, C-1 or D-2. Substrate shall be primed with Elastocol Stick Zero, if required by Soprema published installation instructions. Refer to FM Loss Prevention Data Sheet 1-29 (February 2020) for design and installation recommendations and Soprema fire resistance certification listings for internal fire requirements.

23. "SG" granules are an acceptable alternate granule color for all granule-surfaced Soprema cap membranes.

24. "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads.

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
COLD APPLIED BASE:										
W-1.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	None	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
W-2.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6" o.c.	None	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
W-3.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6" o.c.	None	SBS-CA3	None	SBS-CA3	-97.5
W-4.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	None	SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
HOT OR TORCH APPLIED BASE:										
W-5.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	None	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-52.5
W-6.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	None	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-105.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										

TABLE 1A: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer(s)		Primer	Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7,8)	Type	Attach (Notes 6,7,8)		Base Ply	Ply	Cap Ply	
W-7.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-52.5
W-8.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-SA1	SBS-SA1	-82.5
W-9.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA1	(Optional) SBS-AA or SBS-TA-F	SBS-AA SBS-TA-F	-105.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										
W-10.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 12" o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 12" o.c.	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
W-11.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6" o.c.	Min. 0.25-in. SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6" o.c.	ELASTOCOL Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet		Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:											
W-12.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0
W-13.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-60.0
W-14.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-45.0
W-15.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-CA3	None	SBS-CA3	-45.0
W-16.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
HOT OR TORCH APPLIED BASE:											

TABLE 1B: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Note 1)	Anchor Sheet		Base Insulation Layer(s)		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
W-17.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min.0.25-inch DensDeck primed with Elastocol 500, Elastocol Stick or SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0
W-18.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	DUOTACK in ribbons run atop anchor sheet fastener rows	Min.0.25-inch DensDeck primed with Elastocol 500, Elastocol Stick or SECUROCK Gypsum-Fiber Roof Board	DUOTACK ribbons spaced 6" o.c. or, if no base insulation, run atop anchor sheet fastener rows	SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-45.0
W-19.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-75.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:											
W-20.	APA rated, 7/16 CAT, 0.418 in., Exposure 1 OSB, min. 15/32" APA rated plywood or nominal 1" T&G wood plank	One or two layers SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps" spaced 6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at four (4) equally spaced rows in the center of the sheet	Min. 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	DUOTACK 365, 6-inch o.c.	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick Zero.	DUOTACK 365, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-75.0

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:										
W-21.	Min. 19/32-inch 4-ply plywood or OSB	Min. 1.5-inch ACFoam II, SOPRA-ISO s	OMG #14 Roof grip with Flat Bottom Plate (Accutrac), Soprema #14 MP Fastener with Soprema 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.5 ft²	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-22.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-23.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-24.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD or Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-25.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft²	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
W-26.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft² (18 per 4x8 ft board)	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-67.5
W-27.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft² (18 per 4x8 ft board)	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA4	-67.5

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
W-28.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft² (18 per 4x8 ft board)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
W-29.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft² (18 per 4x8 ft board)	Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
HOT OR TORCH APPLIED BASE:										
W-30.	Min. 19/32-inch 4-ply plywood or OSB	Min. 1.5-inch ACFoam II, SOPRA-ISO s	OMG #14 Roof grip with Flat Bottom Plate (Accutrac), Soprema #14 MP Fastener with Soprema 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.5 ft²	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-45.0*
W-31.	Min. 19/32-inch 4-ply plywood or OSB	Min. 2-inch ACFoam II, SOPRA-ISO s	OMG #14 Roof grip with Flat Bottom Plate (Accutrac), Soprema #14 MP Fastener with Soprema 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.5 ft²	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-60.0*
W-32.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft² (18 per 4x8 ft board)	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4	-67.5
W-33.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft²	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-45.0*

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
W-34.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft^2	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-45.0*
W-35.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-67.5
W-36.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-67.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										
W-37.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft^2	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero. or Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-45.0*
W-38.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft^2	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-45.0*
W-39.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-67.5

TABLE 1C: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
W-40.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-67.5
W-41.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-67.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										
W-42.	Min. 19/32-inch APA rated OSB or CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft^2	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-43.	Min. 15/32-inch APA rated BCX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-44.	Min. 19/32-inch APA rated CDX plywood	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Trufast Versa-Fast Plates with minimum one (1) Soprema #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Slip Sheet	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fasteners	Attach	Base	Ply	Cap	
COLD APPLIED BASE:										
W-45.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
W-46.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-47.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 3.2 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
W-48.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
W-49.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.3 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-37.5*
W-50.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
W-51.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD, primed with DETEC "TruGround Conductive Primer"	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Slip Sheet	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fasteners	Attach	Base	Ply	Cap	
W-52.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-52.5
W-53.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3	None	SBS-CA3	-52.5
HOT OR TORCH APPLIED BASE:										
W-54.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-30.0*
W-55.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate	1 per 2.3 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	-30.0*
W-56.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-37.5*
W-57.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.3 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*
W-58.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	BP-AA, SBS-AA, SBS-AA2, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Slip Sheet	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fasteners	Attach	Base	Ply	Cap	
W-59.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with Elastocol 500 or Elastocol Stick or SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-52.5
W-60.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Dekfast #15 with 3" Round Insulation Plate or Soprema #15 Fastener with Soprema 3 in. Round Insulation Plate	1 per 1.3 ft^2	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-75.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										
W-61.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-30.0*
W-62.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-30.0*
W-63.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*
W-64.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero or 0.25-inch DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*
W-65.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD or 0.25-inch DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Slip Sheet	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fasteners	Attach	Base	Ply	Cap	
W-66.	APA rated, min. 19/32 CAT, 0.578 in., Exposure 1 OSB sheathing	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-30.0*
W-67.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Dekfast #14 with Hex Plate or 3" Round Insulation Plate or Soprema #14 Fastener with Soprema 3 in. Insulation Plate	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-30.0*
W-68.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener	1 per 4.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
W-69.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
W-70.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac), Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-71.	Min. 19/32-inch APA rated OSB or CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Versa-Fast Fastener installed into the center-hole of the Versa-Fast Plates.	1 per 2.7 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
W-72.	Min. 15/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #12 DP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2 (10 per 4x4 ft board)	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5

TABLE 1D: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Slip Sheet	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
				Type	Fasteners	Attach	Base	Ply	Cap	
W-73.	Min. 15/32-inch APA rated BCX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners, Trufast #14 HD or Soprema #14 MP Fasteners installed 180° into the holes of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
W-74.	Min. 19/32-inch APA rated CDX plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) One or more layers, any combination, loose laid	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Trufast Versa-Fast Plates with minimum one (1) Soprema #14 MP Fastener or Trufast #14 HD installed into the center hole of the Versa-Fast Plates	1 per 1.8 ft^2 (18 per 4x8 ft board)	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Slip Sheet	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
				Base	Fasteners	Spacing	Ply	Cap	
WITH FASTENERS AND STRESS PLATES:									
W-75.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-37.5*
W-76.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-37.5*
W-77.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-37.5*
W-78.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Flam Stick or SOPRALENE Flam Stick, self-adhering	SBS-TA-F	-37.5*

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Slip Sheet	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
				Base	Fasteners	Spacing	Ply	Cap	
W-79.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Stick or SOPRALENE Stick, self-adhering. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-37.5*
W-80.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	18-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-37.5*
W-81.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-45.0*
W-82.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
W-83.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F or SOPRALENE Flam 350 FR GR	-45.0*
W-84.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Flam Stick or SOPRALENE Flam Stick, self-adhering	SBS-TA-F	-45.0*
W-85.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622. Top surface shall be primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE Stick or SOPRALENE Stick, self-adhering. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-45.0*

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Slip Sheet	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
				Base	Fasteners	Spacing	Ply	Cap	
W-86.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-45.0*
W-87.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-45.0
W-88.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3 or SBS-CA4	-45.0
W-89.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TA-F	SBS-TA-F	-45.0
W-90.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TA-F	-45.0
W-91.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-52.5
W-92.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-52.5
W-93.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F	-52.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Slip Sheet	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
				Base	Fasteners	Spacing	Ply	Cap	
W-94.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-52.5
W-95.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-82.5
W-96.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
W-97.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F	-82.5
W-98.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	6-inch o.c. within 5-inch wide heat-welded laps	None	None	-82.5
W-99.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3 or SBS-CA4	-52.5
W-100.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3 or SBS-CA4	-52.5
W-101.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180, SOPRASMART ISO HD 180, SOPRASMART XP HD 180, SOPRASMART XP ISO 180	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TA-F	SBS-TA-F	-52.5

TABLE 1E: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Slip Sheet	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
				Base	Fasteners	Spacing	Ply	Cap	
W-102.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	(Optional) Any combination, prelim attach	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with Elastocol Stick Zero	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TA-F	-52.5
WITH FASTENERS AND BATTEN BARS OR BATTEN STRIPS:									
W-103.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	None	SBS-CA4	-90.0
W-104.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 614, 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-90.0
W-105.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	Any combination, prelim attach	SOPRAFIX Base 614, 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	(Optional) SBS-TA-F	SBS-TA-F	-90.0

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners	Spacing	Base Ply	Cap	
COLD-APPLIED:							
W-106.	Min. 15/32-inch plywood	SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-CA3	SBS-CA3	-45.0*
W-107.	Min. 15/32-inch plywood	SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-CA3	SBS-CA3	-52.5
W-108.	Min. 15/32-inch plywood	SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-CA3	SBS-CA3	-90.0
W-109.	Min. 15/32-inch plywood	SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-CA3	SBS-CA3	-105.0
HOT/TORCH-APPLIED:							
W-110.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-AA2	SBS-AA, SBS-AA2	-45.0*
W-111.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-AA2	SBS-CA3, SBS-CA4	-45.0*

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners	Spacing	Base Ply	Cap	
W-112.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA	SBS-TA-F	-45.0*
W-113.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-TA-F	SBS-AA, SBS-AA2, SBS-TA-F	-45.0*
W-114.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced)	SBS-CA3, SBS-CA4	-45.0*
W-115.	Min. 15/32-inch plywood	SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced). Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-45.0*
W-116.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-AA2	SBS-AA, SBS-AA2	-52.5
W-117.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-AA2	SBS-CA3, SBS-CA4	-52.5
W-118.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA	SBS-TA-F	-52.5
W-119.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-TA-F	SBS-AA, SBS-AA2, SBS-TA-F	-52.5
W-120.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced)	SBS-CA3, SBS-CA4	-52.5
W-121.	Min. 15/32-inch plywood	SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced). Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-52.5
W-122.	Min. 19/32-inch plywood	One or two layers MODIFIED SOPRA G, SOPRABASE S	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps"	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three equally spaced rows in the center of the sheet	BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-60.0
W-123.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-AA2	SBS-AA, SBS-AA2	-90.0
W-124.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-AA2	SBS-CA3, SBS-CA4	-90.0
W-125.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	BP-AA, SBS-AA	SBS-TA-F	-90.0
W-126.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-TA-F	SBS-AA, SBS-AA2, SBS-TA-F	-90.0
W-127.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced)	SBS-CA3, SBS-CA4	-90.0
W-128.	Min. 15/32-inch plywood	SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced). Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-90.0

TABLE 1F: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners	Spacing	Base Ply	Cap	
W-129.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) BP-AA, SBS-AA, SBS-AA2	SBS-AA, SBS-AA2	-105.0
W-130.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	SBS-AA, SBS-AA2	SBS-CA3, SBS-CA4	-105.0
W-131.	Min. 15/32-inch plywood	One or two layers Sopra G, Modified Sopra G, SOPRA 4897, SOPRABASE S	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	BP-AA, SBS-AA	SBS-TA-F	-105.0
W-132.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-TA-F	SBS-AA, SBS-AA2, SBS-TA-F	-105.0
W-133.	Min. 15/32-inch plywood	One or two layers SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced)	SBS-CA3, SBS-CA4	-105.0
W-134.	Min. 15/32-inch plywood	SOPRA 4897, SOPRABASE TG	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	SBS-TA-F (sand-surfaced). Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-105.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:							
W-135.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-AA, SBS-AA2, SBS-TA-F	-45.0*
W-136.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 18-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-SA1. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-45.0*
W-137.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-AA, SBS-AA2, SBS-TA-F	-52.5
W-138.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	9-inch o.c. at 2-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-SA1. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-52.5
W-139.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-AA, SBS-AA2, SBS-TA-F	-90.0
W-140.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in two, equally spaced, staggered center rows	(Optional) SBS-SA1. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-90.0
W-141.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	SBS-SA1	SBS-AA, SBS-AA2, SBS-TA-F	-105.0
W-142.	Min. 15/32-inch plywood	SOPRABASE S (primed with Elastocol Stick Zero)	Simplex MAXX Cap	6-inch o.c. at 2-inch lap and 6-inch o.c. in three, equally spaced, staggered center rows	(Optional) SBS-SA1. Top surface shall be primed with Elastocol Stick Zero	SBS-SA1	-105.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:							
W-143.	Min. 19/32-inch, APA rated CDX plywood	ULTRA-STICK NAIL BASE	12 ga. annular ring shank nails with min. 3/8" dia head through min. 32 ga., 1-5/8" dia "tin caps"	6-inch o.c. at 4-inch wide side laps and 6-inch o.c. at three (3) equally spaced rows in the center of the sheet	SBS-SA2	SBS-SA2	-67.5

TABLE 1G: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Slip Sheet	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
WITH FASTENERS AND STRESS PLATES:								
W-144.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-37.5*
W-145.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-37.5*
W-146.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-37.5*
W-147.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	18-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-37.5*
W-148.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-45.0*
W-149.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
W-150.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F	-45.0*
W-151.	Min. 15/32-inch plywood or OSB	(Optional) One or more layers MODIFIED SOPRA G, loose laid	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-45.0*
W-152.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-52.5
W-153.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-52.5
W-154.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	12-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F	-52.5
W-155.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-52.5
W-156.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	None	SBS-CA4	-82.5

TABLE 1G: WOOD DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Slip Sheet	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
W-157.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
W-158.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP Fasteners with Soprafix 2-inch Seam Plates	6-inch o.c. within the 4-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-TA-F	-82.5
W-159.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	UNILAY	Soprema #14 MP with SOPRAFIX 2 3/8 in. SB Stress Plates	6-inch o.c. within 5-inch wide heat-welded laps	None	None	-82.5
WITH FASTENERS AND BATTEN BARS OR BATTEN STRIPS:								
W-160.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	None	SBS-CA4	-90.0
W-161.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 614,	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-90.0
W-162.	Min. 19/32-inch plywood	(Optional) One or more layers MODIFIED SOPRA G, loose laid	SOPRAFIX Base 614,	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #15 EL with SOPRAFIX MBB or MBB-R	6-inch o.c. within 5-inch wide, heat-welded laps.	(Optional) SBS-TA-F	SBS-TA-F	-90.0

TABLE 1H: WOOD DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED BASE MEMBRANE, BONDED ROOF COVER					
System No.	Deck (Note 1)	Roof Cover (Note 15)			MDP (psf)
		Base	Ply	Cap	
COLD APPLIED BASE:					
W-163.	Min. 19/32-inch plywood, 24" spans, 8d ring shank nails, 6" o.c.	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0
W-164.	Min. 19/32-inch plywood, 24" span, #8 wood screws, 6" o.c.	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-97.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (Note 1)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:											
C-1.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
C-2.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
C-3.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-TA-F	SBS-CA3, SBS-TA-F	-60.0
C-4.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3	None	SBS-CA3, SBS-TA-F	-60.0
C-5.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
C-6.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (Note 1)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-7.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
C-8.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
C-9.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-97.5
C-10.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA	-97.5
C-11.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-97.5
C-12.	22 ga., Type B, Grade 50 steel	(Optional) Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c. (on each deck flange)	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK 365 or DUOTACK SPF, ribbons 6" o.c.	SBS-CA4	None	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA	-120.0
HOT OR TORCH APPLIED BASE:											

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS											
System No.	Deck (Note 1)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-13.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-52.5
C-14.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) BP-AA, SBS-AA	None	SBS-AA	-52.5
C-15.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-82.5
C-16.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-97.5
C-17.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-97.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:											
C-18.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-60.0

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 16 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS											
System No.	Deck (Note 1)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-19.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-60.0
C-20.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-82.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:											
C-21.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
C-22.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation followed by min. 0.25-inch SOPRABOARD or DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5
C-23.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch H-Shield CG or SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with Elastocol Stick.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5

TABLE 2A: STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 16 FOR THERMAL BARRIER / VAPOR BARRIER COMBINATION OPTIONS

System No.	Deck (Note 1)	Thermal Barrier		Base Insulation Layer		Top Insulation Layer(s)		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-24.	22 ga., Type B, Grade 40 steel	(Optional) Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365, ribbons 6" o.c. (on each deck flange)	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	TO DECK: DUOTACK 365, ribbons 6" o.c. (on each deck flange) TO THERMAL BARRIER: DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:										
C-25.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 1.4-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
C-26.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
C-27.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 1.4-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
C-28.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-29.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-30.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD, primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-31.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
C-32.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
C-33.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-34.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-35.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
C-36.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-37.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structrual concrete	Min. 2-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x or SOPRA-ISO+ x, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Insulation: (Optional) additional layer(s), min. 1-inch base insulation Coverboard: 0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-38.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-39.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-40.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-45.0*
C-41.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4SBS-CA3, SBS-CA4	-45.0*
C-42.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
C-43.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
C-44.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-45.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5
C-46.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA4 or SBS-CA3	-82.5
C-47.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-82.5
C-48.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
C-49.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structrual concrete	Min 2-inch H-Shield or SOPRA-ISO r	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	DUOTACK 365, 6-inch o.c.	SBS-CA3	None	SBS-CA3	-135.0
HOT OR TORCH APPLIED BASE:										
C-50.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated) or Min. 0.75-inch Fesco Board (homogeneous).	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-51.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-52.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 4.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated) or min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-53.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime or SECUROCK Gypsum Fiber Roof Board	hot asphalt	BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-54.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
C-55.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or ENRGY 3	Note 2	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
C-56.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or ENRGY 3	Note 2	1 per 2.0 ft2	Min. 0.5-inch DensDeck Prime	hot asphalt	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
C-57.	22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch Derbiboard, ACFoam II, ISO 95+GL or ENRGY 3	OMG #14 Roof grip with Flat Bottom Plate (Accutrac), Soprema #14 MP Fastener with Soprema 3" Metal Insulation Plate or Trufast #14 HD with Trufast 3" Metal Insulation Plate	1 per 1.5 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-60.0
C-58.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 2-inch H-Shield, SOPRA-ISO r	Note 2	1 per 1.8 ft2	Min. 0.75-inch JM Fesco Board	hot asphalt	BP-AA	BP-AA	SBS-CA4, SBS-AA or SBS-TA-F	-67.5

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-59.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-60.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-45.0*
C-61.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-62.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-45.0*
C-63.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD, Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-64.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-65.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft^2	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
C-66.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-52.5
C-67.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
C-68.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or ENRGY 3	Note 2	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
C-69.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-82.5
C-70.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch H-Shield or SOPRA-ISO r	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	Min. 0.25-inch SOPRABOARD	DUOTACK 365, 6-inch o.c.	SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-135.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										
C-71.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or ENRGY 3	Note 2	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
C-72.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 0.5-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft2	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, ENRGY 3 or Multi-Max FA3, SOPRA-ISO x. Top surface shall be *mist-primed with Elastocol Stick or Elastocol Stick Zero*	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4 or SBS-SA1	SBS-CA3, SBS-CA4 or SBS-SA1	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-73.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-74.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-45.0*
C-75.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-76.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-77.	Min. 22 ga., type B, Grade 33 steel	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-78.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-79.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-45.0*
C-80.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
C-81.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-SA1, SBS-TA-F	-52.5
C-82.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-52.5
C-83.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 2-inch ACFoam II, SOPRA-ISO s or ENRGY 3	Note 2	1 per 2.0 ft2	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
C-84.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-82.5
C-85.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-82.5
C-86.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-82.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										

TABLE 2B: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER										
Sys No.	Deck (Note 1)	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-87.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 1.5-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
C-88.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 1-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x; followed by Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
C-89.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
C-90.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.8 ft2	Min. 0.125-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5
C-91.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	Min. 0.25-inch SOPRABOARD, DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board, min. 7/16-inch DEXcell Cement Roof Board or min. 0.5-inch SECUROCK Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-67.5
C-92.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	Min 2-inch ACFoam II, SOPRA-ISO s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	Min. 0.25-inch SOPRABOARD, min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-82.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
COLD APPLIED BASE:									
C-93.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Note 2	1 per 2.6 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
C-94.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 2.6 ft²	SBS-CA3	None	SBS-CA3	-30.0*
C-95.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	Note 2	1 per 2.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
C-96.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-37.5*
C-97.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 4.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
C-98.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, min. 1-inch, loose laid	Min. 0.25-in. DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum-Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with Elastocol 500	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
C-99.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD	Note 2	1 per 3.2 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
C-100.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 2.3 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
C-101.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-102.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-52.5
-103.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-CA3	(Optional) SBS-CA3, SBS-TA-F	SBS-CA3, SBS-TA-F	-60.0
-104.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 1.8 ft^2	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
-105.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-67.5
-106.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-75.0
-107.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-CA3	(Optional) SBS-CA3, SBS-TA-F	SBS-CA3, SBS-TA-F	-82.5
-108.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-82.5
-109.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Trufast #14 HD or Soprema #14 MP Fastener with Trufast 3" Metal Insulation Plate or Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-90.0
-110.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD, optionally primed with DETEC "TruGround Conductive Primer"	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	SBS-CA3	(Optional) SBS-CA3, SBS-TA-F	SBS-CA3, SBS-TA-F	-120.0
-111.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft^2	SBS-CA3	(Optional) SBS-CA3, SBS-TA-F	SBS-CA3, SBS-TA-F	-127.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
HOT OR TORCH APPLIED BASE:									
-112.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	Note 2	1 per 2.6 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
-113.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	Note 2	1 per 2.0 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
-114.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft2	SBS-TA-P	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*
-115.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 2.3 ft2	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*
-116.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-AA, SBS-TA-F	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TA-F	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TA-F	-37.5*
-117.	Min. 22 ga., type B, Grade 33 steel	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 4.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
-118.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG HD with 3 in. Galvalume Steel Plate	1 per 4.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
-119.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 4.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-120.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board, optionally primed with Elastocol 500	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-121.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 4.0 ft^2	BP-AA, SBS-AA, SBS-AA2 or SBS-TA-F	(Optional) SBS-AA, SBS-AA2 or SBS-TA-F	SBS-AA, SBS-AA2 or SBS-TA	-45.0*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-122.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 2.7 ft2	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-123.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck	Note 2	1 per 2.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
-124.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck. Top surface shall be primed with Elastocol Stick	Note 2	1 per 2.0 ft2	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-125.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 2.0 ft2	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-AA2, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-126.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-127.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0
-128.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	Note 2	1 per 1.3 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
-129.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-52.5
-130.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-52.5
-131.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-60.0

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-132.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 2.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-60.0
-133.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.8 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
-134.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-67.5
-135.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	OMG HD with 3 in. Galvalume Steel Plate	1 per 1.6 ft^2	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-67.5
-136.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD	Note 2	1 per 2.0 ft^2	SBS-AA or SBS-TA-F (*D6164 only*)	(Optional) BP-AA, SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-67.5
-137.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.6 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-75.0
-138.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-TA-F (sand surfaced)	(Optional) SBS-AA	SBS-AA, SBS-CA4, SBS-SA1	-75.0
-139.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.375-inch SECUROCK Gypsum-Fiber Roof Board	Soprema #15 HD with Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-75.0
-140.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	Min. 200 psi, Min. 2-inch cellular lightweight concrete	Min. 0.125-inch SOPRABOARD	Soprema #15 Fastener with Soprema 3 in. Round Insulation Plate	1 per 1.3 ft^2	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-82.5
-141.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-82.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-142.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP or #15 HD Fastener with Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-90.0
-143.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP or #15 HD Fastener with Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	SBS-AA (sand surfaced); primed	None	SBS-SA1	-90.0
-144.	Min. 22 ga., type B, Grade 40 steel or min. 2,500 psi structural concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.25-inch SOPRABOARD	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-120.0
-145.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structrual concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch DensDeck Prime	Note 2	1 per 1.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-127.5
-146.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structrual concrete	One or more layers, min. 2-inch, any combination, loose laid	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	SBS-TA	(Optional) SBS-TA	SBS-TA	-142.5
-147.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP or #15 HD Fastener with Soprema 3" Metal Insulation Plate	1 per 1.3 ft^2	BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-157.5
-148.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	Soprema #14 MP or #15 HD Fastener with Soprema 3" Metal Insulation Plate	1 per 1.0 ft^2	BP-AA, SBS-AA or SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-172.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									
-149.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, any combination, loose laid	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 3.2 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-30.0*
-150.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	Note 2	1 per 2.6 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
-151.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero	Note 2	1 per 2.3 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-37.5*

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-152.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TA-F	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TA-F	-37.5*
-153.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-154.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-155.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min 0.375-inch SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with D41, Elastocol Stick or Elastocol Stick Zero	Note 2	1 per 2.7 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-156.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch Ultra-Max, ACFoam III, SOPRA-ISO+ s or H-Shield CG, SOPRA-ISO+ r	Note 2	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-157.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield *mist-primed with Elastocol 500, Elastocol Stick, Elastocol Stick Zero*	Note 2	1 per 2.0 ft2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-158.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	Note 2	1 per 2.0 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-CA4, SBS-SA1 or SBS-TA-F	-45.0*
-159.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol 500, Elastocol Stick or Elastocol Stick Zero	Note 2	1 per 2.0 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-45.0*
-160.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) SBS-AA, SBS-CA4, SBS-SA1, SBS-TA-F	SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1, SBS-TA-F	-45.0
-161.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.5-inch, any combination, loose laid	Min. 0.25-inch DensDeck Prime	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-52.5

TABLE 2C: STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation and/or Thermal Barrier Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners	Attach	Base	Ply	Cap	
-162.	Min. 22 ga., type B, Grade 80 steel or min. 2,500 psi structural concrete	One or more layers, min. 1.4-inch, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	OMG #14 Roofgrip with Flat Bottom Plate (Accutrac)	1 per 1.8 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-60.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:									
-163.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
-164.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Note 2	1 per 2.3 ft2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-37.5*
-165.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 4.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
-166.	Min. 22 ga. type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional) One or more layers, any combination, loose laid	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3, SOPRA-ISO x, Ultra-Max or SOPRA-ISO+ x. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
-167.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Note 2	1 per 2.0 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0*
-168.	Min. 22 ga., type B, Grade 33 steel or min. 2,500 psi structural concrete	(Optional for recover) One or more layers, any combination, loose laid	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	Soprema #14 MP Fastener with or Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
WITH FASTENERS AND STRESS PLATES:								
-169.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded side laps	None	SBS-CA4	-45.0*
-170.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
-171.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-45.0*
-172.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Soprema #14 MP with Soprema 2" Seam Plates or Soprema 2.4" Seam Plates	18-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-SA1	-45.0*
-173.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	UNILAY	Soprema #14 MP Fasteners with SOPRAFIX 2 3/8 in. SB Stress Plates	18-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-45.0*
-174.	Min. 22 ga., type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Soprema #14 MP with Soprema 2" Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	None	SBS-CA3, SBS-CA4	-52.5*
-175.	Min. 22 ga., type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Soprema #14 MP with Soprema 2" Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5*
-176.	Min. 22 ga., type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded	Soprema #14 MP with Soprema 2" Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-TA-F	SBS-TA-F	-52.5*
-177.	Min. 22 ga., type B, Grade 40 steel	(Optional) Any type, thickness or combination, loose-laid	SOPRASMART Board 180 Sanded, SOPRASMART ISO HD 180 Sanded, SOPRASMART XP HD 180 Sanded or SOPRASMART XP ISO 180 Sanded. Top surface primed with Elastocol Stick Zero.	Soprema #14 MP with Soprema 2" Seam Plates	6-inch o.c. at the marked fastening line, sealed with the heat-welded, overlapping membrane from subsequent course	(Optional) SBS-SA1	SBS-SA1 or SBS-TA-F	-52.5*

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
-178.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Soprema #14 MP with Soprema 2" Seam Plates or Soprema 2.4" Seam Plates or Soprema #14 with SOPRAFIX 2 in. or 2 3/8 in. SB Stress Plates	12-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-SA1	-60.0
-179.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	UNILAY	Soprema #14 MP Fasteners with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within the 5-inch wide, heat-welded side laps	None	None	-60.0
-180.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #15 HD with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-67.5
-181.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-67.5
-182.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-67.5
-183.	Min. 22 ga., type B, Grade 80 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-67.5
-184.	Min. 22 ga., type B, Grade 80 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-67.5
-185.	Min. 22 ga., type B, Grade 80 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-67.5
-186.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-75.0
-187.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
-188.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft spans attached 6-inch o.c. with TRAXX/5 screws	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-75.0
-189.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
-190.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-75.0
-191.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	UNILAY	Soprema #15 EL with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within 5-inch wide heat-welded laps	None	None	-82.5
-192.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-97.5
-193.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-97.5
-194.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-97.5
-195.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #15 HD with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-112.5
-196.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-112.5
-197.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-112.5
-198.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #14 MP or #15 HD with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-120.0
-199.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP or #15 HD with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-120.0
-200.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP or #15 HD with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-120.0
-201.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #14 MP with Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-135.0
-202.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Soprema #15 HD with Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-142.5

TABLE 2D: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
-203.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Soprema #15 HD with Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-172.5
WITH FASTENERS AND BATTEN BARS OR BATTEN STRIPS:								
-204.	Min. 22 ga., type B, Grade 33 steel.	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Soprema #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0*
-205.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Soprema #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
-206.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Soprema #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-45.0*
-207.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Soprema #14 MP with SOPRAFIX MBB, MBB-R or PBB	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-SA1	-45.0*
-208.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-75.0
-209.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612, 622	Soprema #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
-210.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612, 622	Soprema #14 MP with SOPRAFIX MBB or MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-75.0
-211.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-105.0
-212.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-105.0
-213.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	OMG Large Head #15 Roofgrip with Polymer Batten Strip or Soprema #14 with SOPRAFIX MBB or MBB-R	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-105.0
-214.	Min. 22 ga., type B, Grade 33 steel	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	SOPRAFIX Base 612 or 614	Soprema #15 EL with SOPRAFIX MBB	Lap Row: Alternate spacing 6-inch, 12-inch, 6-inch, 12-inch, 6-inch, and so on within the 5-inch heat-welded laps. Center Row: 12-inch o.c. in one center row	(Optional) SBS-TA-F	SBS-TA-F	-150.0

TABLE 2E: STEEL DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-3: INSULATED, BONDED & MECHANICALLY ATTACHED BASE MEMBRANE, BONDED ROOF COVER											
System No.	Deck	Insulation		Coverboard		Base Membrane			Roof Cover (Note 15)		MDP (psf)
		Type	Attach	Type	Attach	Base	Fasteners	Spacing	Ply	Cap	
-215.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	Loose laid	Min. 0.25-inch SOPRABOARD	Note 2 1 per 4.0 ft^2	SOPRAFIX Base 614 torch applied with 6-inch laps then mechanically fastened	Soprema #15-EL Fasteners and SOPRAFIX 2-3/8 in. SB Stress Plates	12-inch o.c. in rows 12-inch apart	SBS-TA-F	SBS-TA-F	-112.5
-216.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	Loose laid	Min. 0.25-inch SOPRABOARD	Note 2 1 per 4.0 ft^2	SOPRAFIX Base 614 torch applied with 6-inch laps then mechanically fastened	Soprema #15-EL Fasteners and SOPRAFIX 2-3/8 in. SB Stress Plates	6-inch o.c. in rows 18-inch apart	SBS-TA-F	SBS-TA-F	-157.5
-217.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	Loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime	Note 2 1 per 4.0 ft^2	SOPRALENE Flam 180, SOPRALENE Flam 250, SOPRAFIX Base 612 or SOPRAFIX Base 614 torch applied with 3-inch laps then mechanically fastened	Soprema #14 or #15-EL with SOPRAFIX 2 in. SB or SOPRAFIX 2-3/8 in SB Stress Plates	12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows	SBS-TA-F	SBS-AA or SBS-TA-F	-165.0
-218.	Min. 22 ga., type B, Grade 33 steel	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	Loose laid	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board, DensDeck, DensDeck Prime	Note 2 1 per 4.0 ft^2	SOPRALENE 180 SP 3.0, SOPRALENE 180 SP 3.5 or SOPRAFIX Base 622 torch applied with 3-inch laps then mechanically fastened	Soprema #14 or #15-EL with SOPRAFIX 2 in. SB or SOPRAFIX 2-3/8 in SB Stress Plates	12-inch o.c. atop the laps and 12-inch o.c. in two, equally spaced, staggered center rows	BP-AA or SBS-AA	SBS-AA or SBS-TA-F	-165.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:										
C-1.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
C-2.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.5-inch 0.5-in. Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-150.0
C-3.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-4.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5
C-5.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD optionally primed with DETEC "TruGround Conductive Primer"	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-6.	Structural Concrete	None	Min. 0.25-inch SOPRABOARD optionally primed with DETEC "TruGround Conductive Primer"	COLPLY EF Adhesive, 6-inch o.c.	None	N/A	SBS-CA3	None	SBS-CA3, SBS-CA4	-382.5
C-7.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-8.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-9.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-337.5
C-10.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	None	SBS-CA3, SBS-CA4	-382.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-11.	Structural Concrete	None	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
C-12.	Structural Concrete	None	Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-307.5
C-13.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-382.5
C-14.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-190.0
C-15.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-16.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-285.0
C-17.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-18.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-19.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf Foam-Control EPS	DUOTACK	Min. 0.5-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-150.0
C-20.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-21.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-120.0
C-22.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-187.5
C-23.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-227.5
C-24.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-152.5
C-25.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-315.0
C-26.	Structural Concrete	None	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-337.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-27.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-277.5
C-28.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK SPF	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-277.5
C-29.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	SOPRASMART Board 180 Sanded	DUOTACK SPF	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-277.5
HOT OR TORCH APPLIED BASE:										
C-30.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
C-31.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
C-32.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-277.5
C-33.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA or SBS-TA-F	-365.0
C-34.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-CA3	-365.0
C-35.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated)	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-150.0
C-36.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-187.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-37.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-452.5
C-38.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-SA1	-247.5
C-39.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-375.0
C-40.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4	-382.5
C-41.	Structural Concrete	D41	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-397.5
C-42.	Structural Concrete	D41	(Optional) Min. 1.4-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.75-inch Fesco Board (homogeneous)	hot asphalt	BP-AA or SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-420.0
C-43.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-152.5
C-44.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TA-P	(Optional) BP-AA, SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
C-45.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-382.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-46.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
C-47.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P	None	SBS-AA or SBS-TA-F	-150.0
C-48.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-152.5
C-49.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-307.5
C-50.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-382.5
C-51.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, SBS-SA1	SBS-CA3, SBS-CA4, SBS-SA1	-285.0
C-52.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-367.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-53.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-187.5
C-54.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	0.5-in. Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or Structodek HD with Primed Red Coating	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-227.5
C-55.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-187.5
C-56.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-232.5
C-57.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf Foam-Control EPS	DUOTACK	Min. 0.5-inch DensDeck Prime	DUOTACK	SBS-TA-F	SBS-TA-F	SBS-TA-F	-257.5
C-58.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-315.0
C-59.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-187.5
C-60.	Structural Concrete	None	(Optional) One or more layer(s), min. 1-inch SOPRA-ISO s, SOPRA-ISO+ s, SOPRA-ISO r, SOPRA-ISO+ r, SOPRA-ISO x, SOPRA-ISO+ x or SOPRA-XPS, ACFoam II, ACFoam III, H-Shield, H-Shield CG, Multi-Max FA3 or Ultra-Max	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-227.5
C-61.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-152.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-62.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-315.0
C-63.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-277.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										
C-64.	Structural Concrete	D41	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield.	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
C-65.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield.	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
C-66.	Structural Concrete	D41	(Optional) One or more layers min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield.	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-155.0
C-67.	Structural Concrete	D41	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-172.5
C-68.	Structural Concrete	None	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield.	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
C-69.	Structural Concrete	None	Min. 1.4-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISOr, M-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-225.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-70.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-152.5
C-71.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
C-72.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-215.0
C-73.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA or SBS-SA1	-270.0
C-74.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-382.5
C-75.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-150.0
C-76.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-152.5
C-77.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK, 6-inch o.c.	(Optional) SBS-SA1	None	SBS-SA1	-215.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS

System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-78.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-270.0
C-79.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-190.0
C-80.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-285.0
C-81.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-315.0
C-82.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-CA3, SBS-CA4, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-120.0
C-83.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-152.5
C-84.	Structural Concrete	None	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-172.5

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-85.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-215.0
C-86.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum Fiber Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-315.0
C-87.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	Min. 0.125-inch SOPRABOARD	DUOTACK SPF	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-277.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										
C-88.	Structural Concrete	None	Min. 2-inch H-Shield CG or SOPRA-ISO+ r	DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with Elastocol Stick.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
C-89.	Structural Concrete	None	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA3 or SOPRA-ISO x	DUOTACK	Additional optional layer(s), min. 1.5-inch base insulation. Top surface shall be primed with Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-97.5
C-90.	Structural Concrete	None	One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-152.5
C-91.	Structural Concrete	None	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-215.0
C-92.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-270.0

TABLE 3A: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 17 FOR VAPOR BARRIER OPTIONS										
System No.	Deck (Note 1)	Prime	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-93.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0
C-94.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK, 6-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
C-95.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-120.0
C-96.	Structural Concrete	None	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, UltraMax, SOPRA-ISO+x	DUOTACK SPF	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK SPF	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-270.0

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1A: BONDED TEMP ROOF, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Temp Roof	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
HOT OR TORCH APPLIED BASE:										
C-97.	ASTM D41 primed structural concrete	COLVENT TG, COLVENT 180 TG, torch-applied	Min. 1.5-inch ISO 95+ GL, ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	BP-AA	SBS-AA ('PS' with film upper surface)	SBS-TA-F	-195.0
C-98.	ASTM D41 primed structural concrete	COLVENT TG, COLVENT 180 TG, torch-applied	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA	SBS-AA or SBS-TA-F	SBS-TA-F	-240.0

TABLE 3B: STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1A: BONDED TEMP ROOF, BONDED INSULATION, BONDED ROOF COVER										
System No.	Deck (Note 1)	Temp Roof	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
C-99.	Elastocol 500 primed structural concrete	SOPRALENE 250 SP, torch-applied	Base Layer(s): One or more layers, min. 2-inch SOPRA-XPS 60 or Dupont STYROFOAM HIGHLOAD 60 Top Layer(s): One or more layers, min. 0.5-inch flat or tapered SOPRA-XPS 60 or Dupont STYROFOAM HIGHLOAD 60	DUOTACK 365	Min. 0.5-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK 365	SOPRALENE Flam 250, torch-applied	None	SOPRALENE Flam 250 FR GR, torch-applied	-650.0

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER									
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
WITH FASTENERS AND STRESS PLATES:								
C-100.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded side laps	None	SBS-CA4	-45.0*
C-101.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
C-102.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2" Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	18-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-45.0*
C-103.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2" Barbed Metal Seam Plates or Trufast 2.4" Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plates or Soprema 2.4" Seam Plates	18-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-SA1	-45.0*
C-104.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2" Barbed Metal Seam Plates or Trufast 2.4" Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plates or Soprema 2.4" Seam Plates	12-inch o.c. within 5-inch wide, heat-welded side laps	(Optional) SBS-TA-F	SBS-SA1	-60.0
C-105.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-67.5
C-106.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-67.5
C-107.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-67.5

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
C-108.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-67.5
C-109.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 HP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-75.0
C-110.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
C-111.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-75.0
C-112.	Min. 22 ga., type B, Grade 80 steel	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
C-113.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	UNILAY	Soprema #14 Fastener with SOPRAFIX 2 3/8 in. SB Stress Plates	12-inch o.c. within 5-inch wide heat-welded laps	None	None	-82.5
C-114.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #15 HD with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-97.5
C-115.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-97.5
C-116.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-97.5
C-117.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-112.5
C-118.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-112.5
C-119.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate or Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-112.5
C-120.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	None	SBS-CA4	-120.0

TABLE 3C: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION, REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation and/or Thermal Barrier (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
C-121.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-120.0
C-122.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2 in. Barbed Metal Seam Plates or Soprema #14 MP with Soprema 2" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-120.0
C-123.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-142.5
C-124.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD or Trufast Fluted Concrete Nail with Trufast 2.4 in. Scoop Seam Plates or Soprema #14 MP with Soprema 2.4" Seam Plate	6-inch o.c. within 4-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-172.5
WITH FASTENERS AND BATTEN BARS OR BATTEN STRIPS:								
C-125.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0*
C-126.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0*
C-127.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 614	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-45.0*
C-128.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612 or 614 or SOPRAFIX Base 622 *(Note 21)*	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	18-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-SA1	-45.0*
C-129.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612, 622	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
C-130.	Min. 2,500 psi structural concrete	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 612, 622	Trufast #14 HD, Trufast Fluted Concrete Nail or Soprema #14 MP with SOPRAFIX MBB-R	12-inch o.c. within 5-inch wide, heat-welded laps	(Optional) SBS-TA-F	SBS-TA-F	-75.0

TABLE 3D: STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER						
System No.	Deck (Note 1)	Primer	Roof Cover (Note 15)			MDP (psf)
			Base	Ply	Cap	
COLD APPLIED BASE:						
C-131.	Structural Concrete	ASTM D41, Elastocol 500	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-97.5
C-132.	Structural Concrete	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-180.0
C-133.	Structural Concrete	None	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-255.0
C-134.	Structural Concrete	ASTM D41, Elastocol 500	SBS-CA3	(Optional) SBS-CA3	SBS-CA3	-270.0
HOT OR TORCH APPLIED BASE:						
C-135.	Structural Concrete	Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) BP-AA or SBS-AA	SBS-AA	-267.5
C-136.	Structural Concrete	Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-TA-F	SBS-TA-F	-295.0
C-137.	Structural Concrete	D41	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-367.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:						
C-138.	Structural Concrete	Elastocol Stick, Elastocol Stick Zero	SBS-SA1	(Optional) SBS-CA4 or SBS-SA1	SBS-CA4 or SBS-SA1	-67.5
C-139.	Structural Concrete	Elastocol 500, Elastocol Stick, Elastocol Stick Zero	SBS-SA1	(Optional) BP-AA or SBS-AA	SBS-AA	-242.5
C-140.	Structural Concrete	Elastocol 500, Elastocol Stick, Elastocol Stick Zero	SBS-SA1	(Optional) SBS-TA-F	SBS-TA-F	-272.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:						
C-141.	Structural Concrete	Elastocol Stick, Elastocol Stick Zero	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-304.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CELCORE (FL2037):										
COLD APPLIED BASE:										
LWC-1.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-105.0
LWC-2.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-105.0
LWC-3.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-4.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	(Optional) Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-105.0
HOT OR TORCH APPLIED BASE:										
LWC-5.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0
LWC-6.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-170.0
LWC-7.	Structural Concrete	**Vapor Barrier; Required:** ELASTOPHENE SP 2.2, ELASTOPHENE SP 3.0, SOPRALENE 180 SP 3.0 or SOPRALENE 180 SP 3.5, torch applied **LWC:** Min. 340 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore SBS (Sanded Bonding Surface) at 1 gal/square is applied.	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-TA	(Optional) SBS-TA	SBS-TA	-410.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-8.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	None	N/A	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-115.0
LWC-9.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
LWC-10.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-170.0
LWC-11.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0
LWC-12.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-170.0
LWC-13.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0
LWC-14.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.5-inch SECUROCK Cement Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-170.0
LWC-15.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.25-inch DensDeck Prime	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)										
System No.	Deck (Note 1)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-16.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-170.0
LWC-17.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0
LWC-18.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-120.0
LWC-19.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	None	N/A	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-115.0
LWC-20.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-170.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:										
LWC-21.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.125-inch SOPRABOARD	DUOTACK	None	N/A	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-115.0
LWC-22.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
LWC-23.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-155.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:										

TABLE 4A: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-24.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-115.0
LWC-25.	Structural Concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied	Min. 2-inch ACFoam III, SOPRA-ISO+ s, H-Shield CG or SOPRA-ISO+ r	DUOTACK	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-155.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Vapor Barrier	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
PRE-EXISTENT CELLULAR LWC:											
COLD APPLIED BASE:											
LWC-26.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-27.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Vapor Barrier	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-28.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
LWC-29.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0
LWC-30.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-31.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-32.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Vapor Barrier	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-33.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
HOT OR TORCH APPLIED BASE:											
LWC-34.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-35.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
LWC-36.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Vapor Barrier	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-37.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-38.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-39.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-40.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:											
LWC-41.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 4B: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS - NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE A-1: LWC TO DECK, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Vapor Barrier	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
LWC-42.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-60.0
LWC-43.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-44.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-45.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
LWC-46.	Structural Concrete	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SBS-CA2, 12-inch o.c. (sanded-top)	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)								
System No.	Deck (Note 1)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Base Ply(s)	Cap	
CELCORE (FL2037):								
LWC-47.	Min. 22 ga., type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Min. 350 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4	-52.5
LWC-48.	Min. 22 ga., type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-60.0
LWC-49.	Min. 22 ga., type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-60.0
LWC-50.	Min. 22 ga., type B or BV steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-67.5
LWC-51.	Min. 22 ga., type B or BV steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-67.5
LWC-52.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 300 psi, min 2-inch thick Celcore Cellular Concrete. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-75.0
LWC-53.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 300 psi, min 2-inch thick Celcore Cellular Concrete. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-75.0
CONCRECEL (FL5584 & FL10500):								
LWC-54.	Min. 22 ga. Type BV, Grade 80 steel at max 5 ft spans or structural concrete	Concrecel Bonding Agent on deck; Min. 300 psi, min 2¼-inch thick Concrecel Concrete. After setting to support foot traffic, Concrecel Curing Compound is applied.	MODIFIED SOPRA G, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-52.5
LWC-55.	Min. 22 ga. Type BV, Grade 80 steel at max 5 ft spans or structural concrete	Concrecel Bonding Agent on deck; Min. 300 psi, min 2¼-inch thick Concrecel Concrete. After setting to support foot traffic, Concrecel Curing Compound is applied.	SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-52.5

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-1: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Base Ply(s)	Cap	
LWC-56.	Min. 22 ga. Type BV, Grade 80 steel at max 5 ft spans or structural concrete	Concrecel Bonding Agent on deck; Min. 300 psi, min 2¼-inch thick Concrecel Concrete. After setting to support foot traffic, Concrecel Curing Compound is applied.	SOPRABASE S, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA	SBS-CA3, SBS-AA or SBS-TA	-82.5
LWC-57.	Min. 22 ga. Type BV, Grade 80 steel at max 5 ft spans or structural concrete	Concrecel Bonding Agent on deck; Min. 300 psi, min 2¼-inch thick Concrecel Concrete. After setting to support foot traffic, Concrecel Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-82.5
ELASTIZELL (FL4994):								
LWC-58.	Min. 26 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-30.0
LWC-59.	Min. 26 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRA 4897	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-30.0
LWC-60.	Min. 26 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRABASE TG	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7½-inch o.c. at the 4-inch lap and 7½-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-30.0
LWC-61.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-45.0
LWC-62.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
LWC-63.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
LWC-64.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-45.0

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-1: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Base Ply(s)	Cap	
LWC-65.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRA 4897	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
LWC-66.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 200 psi, min 2-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRABASE TG	Soprema BSF 1.7 Trufast FM-90 or Twin Loc-Nails (1.8 inch)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
MEARLCRETE (FL13492):								
LWC-67.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Mearlcrete	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-45.0
LWC-68.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Mearlcrete	SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
LWC-69.	Min. 22 ga. type B steel at max. 6 ft spans or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Mearlcrete	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-45.0
LWC-70.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 250 psi, min 2-inch thick Mearlcrete.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	OMG CR Base Ply Fasteners (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-CA3, SBS-AA, SBS-TA-F	-52.5
LWC-71.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 250 psi, min 2-inch thick Mearlcrete.	SOPRA 4897	OMG CR Base Ply Fasteners (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-52.5
LWC-72.	Min. 22 ga. steel at max 5 ft spans or structural concrete	Min. 250 psi, min 2-inch thick Mearlcrete.	SOPRABASE TG	OMG CR Base Ply Fasteners (1.7)	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-52.5
SIPLAST NVS INSULATING CONCRETE:								
LWC-73.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans	Min. 310 psi NVS® lightweight concrete composed of NVS Concrete Aggregate, Portland cement and water; min. ¼" slurry coat with min. 1" EPS holey board and min. 1" thick top coat applied after overnight cure of slurry coat	MODIFIED SOPRA G or SOPRABASE S	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0

TABLE 4C: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-1: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Base Ply(s)	Cap	
LWC-74.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans	Min. 310 psi NVS® lightweight concrete composed of NVS Concrete Aggregate, Portland cement and water; min. ¼" slurry coat with min. 1" EPS holey board and min. 1" thick top coat applied after overnight cure of slurry coat	SOPRA 4897	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4, SBS-AA, SBS-AA2 or SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0
LWC-75.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans	Min. 310 psi NVS® lightweight concrete composed of NVS Concrete Aggregate, Portland cement and water; min. ¼" slurry coat with min. 1" EPS holey board and min. 1" thick top coat applied after overnight cure of slurry coat	SOPRABASE TG	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0
LWC-76.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans	Min. 310 psi NVS® lightweight concrete composed of NVS Concrete Aggregate, Portland cement and water; min. ¼" slurry coat with min. 1" EPS holey board and min. 1" thick top coat applied after overnight cure of slurry coat	SOPRABASE S or SOPRA 4897. Top surface shall be primed with Elastocol Stick Zero	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-SA1 or SBS-TA-F	-45.0
LWC-77.	Min. 22 ga., Type B, Grade 33 steel at max 6 ft spans	Min. 310 psi NVS® lightweight concrete composed of NVS Concrete Aggregate, Portland cement and water; min. ¼" slurry coat with min. 1" EPS holey board and min. 1" thick top coat applied after overnight cure of slurry coat	ULTRA-STICK Nail Base	Trufast FM-75	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA2	SBS-SA2	-45.0
PRE-EXISTENT CELLULAR LWC:								
LWC-78.	Min. 22 ga. type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 88 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-60.0
LWC-79.	Min. 22 ga. type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRABASE S, SOPRALENE 180 Sanded 2.2, SOPRALENE 180 Sanded	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-75.0
LWC-80.	Min. 22 ga. type B steel at max. 5 ft spans or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a 1.8-inch Twin Loc-Nail shall achieve an average withdrawal of 110 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRABASE TG	Min. 1.8-inch Trufast Twin Loc-Nail	9-inch o.c. at 4-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-75.0

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: THERMAL BARRIER TO DECK, TEMP ROOF TO THERMAL BARRIER, LWC TO TEMP ROOF, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten	Attach			Base	Fasten	Spacing	Base Ply	Cap	
CELCORE (FL2037):												
LWC-81.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-60.0
LWC-82.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-60.0
LWC-83.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
LWC-84.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-60.0
LWC-85.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-60.0
LWC-86.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound is applied.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	9-inch o.c. at 4-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-60.0

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: THERMAL BARRIER TO DECK, TEMP ROOF TO THERMAL BARRIER, LWC TO TEMP ROOF, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten	Attach			Base	Fasten	Spacing	Base Ply	Cap	
LWC-87.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-75.0
LWC-88.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	MODIFIED SOPRA G, SOPRABASE S, SOPRA 4897	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-75.0
LWC-89.	Min. 22 ga. type B steel at max. 6 ft spans	Min. 0.625-inch SECUROCK Gypsum-Fiber Roof Board	Note 2	1 per 1.6 ft^2	SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-75.0
LWC-90.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 3-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-75.0
LWC-91.	Min. 22 ga. type B, Grade 33 steel at max. 6 ft spans	Min. 0.625-inch DensDeck Prime	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 1.8 ft^2	SBS-TA-F (with sanded top surface)	Min. 330 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-82.5
LWC-92.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 330 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch lap and 7-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-AA, SBS-TA-F	-82.5

TABLE 4D: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR CWF DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-1: THERMAL BARRIER TO DECK, TEMP ROOF TO THERMAL BARRIER, LWC TO TEMP ROOF, NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier			Temp Roof	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Type	Fasten	Attach			Base	Fasten	Spacing	Base Ply	Cap	
LWC-93.	Min. 22 ga., type B, Grade 33 steel at max. 6 ft	Min. 0.625-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board	Note 2	Prelim. attach	SBS-AA or SBS-TA-F (with sanded top surface)	Min. 300 psi, min 2-inch thick Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture. After setting to support foot traffic, Celcore PVA Curing Compound.	SOPRAFIX Base 614	Soprema #15 HD with Soprema 2.4" Seam Plate (to engage steel deck)	12-inch o.c. within 4-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
CONCRECEL (FL5584 & FL10500):												
LWC-94.	Min. 22 ga., Type B, Grade 33 steel at max. 6 ft span	Min. 0.5-inch DEXcell FA Glass Mat Roof Board	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-TA-F (sanded top surface)	Concrecel Bonding Agent on deck; Min. 350 psi, min 2¼-inch thick Concrecel Concrete.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-TA-F	-75.0
LWC-95.	Min. 22 ga., Type B, Grade 33 steel	Min. 0.5-inch DensDeck Prime or SECUROCK Gypsum-Fiber Roof Board. Top surface shall be primed with Elastocol 500	Soprema #14 MP with Soprema 3" Metal Insulation Plate	1 per 2.0 ft^2	SBS-TA-F (sanded top surface)	Concrecel Bonding Agent on deck; Min. 350 psi, min 2¼-inch thick Concrecel Concrete.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-TA-F	-82.5
LWC-96.	Min. 2-inch Tectum	Min. 0.5-inch DEXcell FA Glass Mat Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	4-inch o.c.	SBS-AA or SBS-TA-F (with sanded top surface)	Concrecel Bonding Agent on deck; Min. 350 psi, min 2¼-inch thick Concrecel Concrete.	SOPRABASE TG	Soprema BSF 1.7 or Trufast FM-90	7-inch o.c. at the 4-inch laps and 7-inch o.c. in two equally spaced, staggered center rows	One or two SBS-TA-F	SBS-TA-F	-82.5

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)								
System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
CELCORE (FL2037):								
LWC-97.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-98.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-37.5
LWC-99.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-37.5
LWC-100.	Min. 22 ga., type BV, Grade 40 steel or min. 2,500 psi structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-101.	Min. 22 ga., type BV, Grade 40 steel or min. 2,500 psi structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-102.	Min. 22 ga., type BV, Grade 40 steel or min. 2,500 psi structural concrete	Deck treated with Celcore S-1. Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 300 psi, Min. 2-inch top coat Optional Celcore SBS (Sanded Bonding Surface) may be applied.	SOPRAFIX Base 622	2-1/4" Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	None	SBS-CA4	-45.0
LWC-103.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-104.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
LWC-105.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Celcore Cellular Concrete	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
LWC-106.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-107.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-108.	Structural concrete	Treatment: Optional, Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Two (2) min. 2¼" long Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	None	SBS-CA4	-45.0
LWC-109.	Structural concrete	Treatment: Optional when Dry-In/Temp Roof installed (Note 18), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plates, forming a square pattern with the square edges oriented in the principle directions of the roll.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
LWC-110.	Structural concrete	Treatment: Optional when Dry-In/Temp Roof installed (Note 18), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plates, forming a square pattern with the square edges oriented in the principle directions of the roll.	(Optional) One or two SBS-TA-F	SBS-TA-F	-75.0

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
LWC-111.	Structural concrete	Treatment: Optional when Dry-In/Temp Roof installed (Note 18), Celcore S-1. LWC: Celcore MF with Celcore HS Rheology Modifying Admixture, Min. 390 psi, Min. 2-inch top coat. Surfacing: Optional, Celcore SBS (Sanded Bonding Surface).	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plates	Versa-Fast Plates spaced 10-inch o.c. within the 5-inch wide, heat-welded side laps. Four (4) min. 2¼" long Versa-Fast Fasteners installed into every-other hole of the Versa-Fast Plates, forming a square pattern with the square edges oriented in the principle directions of the roll.	None	SBS-CA4	-75.0
CONCRECEL (FL5584 & FL10500):								
LWC-112.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-113.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-37.5
LWC-114.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-37.5
LWC-115.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-116.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-117.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Concrecel Concrete	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
LWC-118.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
LWC-119.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	(Optional) One or two SBS-TA	SBS-TA	-52.5

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)								
System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
LWC-120.	Min. 22 ga. type BV, Grade 80 steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2.25-inch thick Concrecel Concrete	SOPRAFIX Base 622	Tri-Fixx	7-inch o.c. within the 5-inch wide heat-welded side lap	None	SBS-CA4	-52.5
ELASTIZELL (FL4994):								
LWC-121.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-122.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-37.5
LWC-123.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-37.5
LWC-124.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-125.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-126.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min 2.5-inch thick Range II Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
LWC-127.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-67.5
LWC-128.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-67.5

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)								
System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
LWC-129.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 300 psi, min. 2-inch thick Elastizell Lightweight Insulating Concrete.	SOPRAFIX Base 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA4	-67.5
MEARLCRETE (FL13492):								
LWC-130.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-37.5
LWC-131.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-37.5
LWC-132.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-37.5
LWC-133.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-134.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-135.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 200 psi, min. 2.5-inch thick Mearlcrete	SOPRAFIX Base 622	Tri-Fixx	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
LWC-136.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-75.0
LWC-137.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Mearlcrete	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-75.0

TABLE 4E: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL OR STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF)
SYSTEM TYPE E-2: LWC TO DECK, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	LWC (Note 14)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners	Spacing	Ply	Cap	
LWC-138.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Min. 250 psi, min. 2-inch thick Mearlcrete	SOPRAFIX Base 622	Tri-Fixx	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA4	-75.0
PRE-EXISTENT CELLULAR LWC:								
LWC-139.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
LWC-140.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
LWC-141.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a Tri-Fixx fastener shall achieve an average withdrawal of 215 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 622	Tri-Fixx	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
LWC-142.	Min. 22 ga., type BV, Grade 40 steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 500 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, an OMG Olylok Locking Impact Nail (1.4-inch) shall achieve an average withdrawal of 291 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 613, 614 or 622	Tri-Fixx	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	(Optional) SBS-TA	SBS-TA	-82.5
LWC-143.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a Twin-Loc Nail fastener shall achieve an average withdrawal of 122 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-82.5
LWC-144.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a Twin-Loc Nail fastener shall achieve an average withdrawal of 122 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
LWC-145.	Min. 22 ga. type B steel or min. 2,500 psi structural concrete	Cellular lightweight concrete, Min. 300 psi, Min. 2-inch top coat. *Note: To qualify the LWIC under this assembly, a Twin-Loc Nail fastener shall achieve an average withdrawal of 122 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	SOPRAFIX Base 622	Twin-Loc Nail with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center row	None	SBS-CA4	-82.5

TABLE 4F: LIGHTWEIGHT INSULATING CONCRETE OVER STEEL DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE F: LWC TO DECK, BONDED ROOF COVER									
System No.	Deck (Note 1)	LWC (Note 14)			Roof Cover (Note 15)				MDP (psf)
		Bonding Agent / Primer	Type	Surface Treatment	Primer	Base	Ply	Cap	
CELCORE (FL2037):									
LWC-146.	Min. 22 ga., type B, vented or non-vented steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c.	None	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	Celcore PVA Curing Compound	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-SA1 or SBS-TA-F	SBS-SA1 or SBS-TA-F	-45.0
LWC-147.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c.	None	Celcore Cellular Concrete, Min. 380 psi, min. 2-inch thick	None	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4,SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-60.0
LWC-148.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Slurry	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 340 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-60.0
LWC-149.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Slurry	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 340 psi, min. 2-inch thick	Celcore PVA Curing Compound	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA-F	-90.0
LWC-150.	Min. 22 ga., type BV, Grade 40 steel at max. 6 ft spans; 5/8" puddle welds, 6" o.c.	Celcore S-1 Deck Preparation Slurry	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 340 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-90.0
CONCRECEL (FL5584 & FL10500):									
LWC-151.	Min. 22 ga., type BV, Grade 80 steel at max. 5 ft spans; 5/8" puddle welds, 6" o.c.	Concrecel Bonding Agent at 1200 ft2/gal.	Concrecel Concrete, Min. 300 psi, min. 2.25-inch thick	Concrecel Curing Compound	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-60.0
LWC-152.	Min. 22 ga., type BV, Grade 80 steel at max. 5 ft spans; 5/8" puddle welds, 6" o.c.	Concrecel Bonding Agent at 1200 ft2/gal.	Concrecel Concrete, Min. 300 psi, min. 2.25-inch thick	Concrecel Curing Compound	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA	-82.5
ELASTIZELL (FL4994):									
LWC-153.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans; 5/8" puddle welds or Teks/5 screws, 6" o.c.	None	Elastizell with Zell-Crete Fibers, Min. 710 psi	None	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-60.0
LWC-154.	Min. 22 ga., type BV, Grade 33 steel at max. 6 ft spans; 5/8" puddle welds or Teks/5 screws, 6" o.c.	None	Elastizell with Zell-Crete Fibers, Min. 550 psi, min. 2-inch thick	None	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA or SBS-TA	SBS-AA or SBS-TA-F	-90.0

TABLE 4G: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION
SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER
REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)

System No.	Deck (Note 1)	Temp Roof / VB	LWC (Note 14)		Roof Cover (Note 15)				MDP (psf)
			Type	Surface Treatment	Primer	Base	Ply	Cap	
CELCORE (FL2037):									
LWC-155.	Structural Concrete	Note 18	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, or Celcore Cellular Concrete, Min. 380 psi, min. 2-inch thick.	Celcore PVA Curing Compound	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-60.0
LWC-156.	Structural Concrete	Note 18	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick.	Celcore PVA Curing Compound	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-262.5
LWC-157.	Structural Concrete	Note 18	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	Celcore PVA Curing Compound	ASTM D41	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-262.5
LWC-158.	Structural Concrete (primed)	SBS-TA-F (sanded top surface)	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 300 psi, min. 2-inch thick	Celcore PVA Curing Compound	ASTM D41	SBS-TA-F	(Optional) SBS-TA-F	SBS-TA-F	-360.0
LWC-159.	Structural Concrete	None	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-180.0
LWC-160.	Structural Concrete (primed)	SBS-TA-F (sanded top surface)	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-180.0
LWC-161.	Structural Concrete	None	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-162.	Structural Concrete (primed)	SBS-TA-F (sanded top surface)	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA4	SBS-CA4	-382.5
LWC-163.	Structural Concrete	None	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-445.0
LWC-164.	Structural Concrete (primed)	SBS-TA-F (sanded top surface)	Celcore MF Cellular Concrete with Celcore HS Rheology Modifying Admixture, Min. 330 psi, min. 2-inch thick	Celcore PVA Curing Compound	None	SBS-CA3	(Optional) SBS-CA3, SBS-AA or SBS-TA-F	SBS-CA3, SBS-AA or SBS-TA-F	-445.0
CONCRECEL (FL5584 & FL10500):									
LWC-165.	Structural Concrete	(Optional) Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Concrecel Concrete, Min. 300 psi, min. 2-inch thick	Concrecel Curing Comp	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-60.0

TABLE 4G: LIGHTWEIGHT INSULATING CONCRETE OVER STRUCTURAL CONCRETE DECKS – NEW CONSTRUCTION SYSTEM TYPE F: LWC TO DECK OR TO TEMPORARY ROOF, BONDED ROOF COVER REFER TO NOTE 18 FOR DRY-IN / TEMPORARY ROOF OPTIONS (BETWEEN STRUCTURAL CONCRETE AND LIGHTWEIGHT CONCRETE)									
System No.	Deck (Note 1)	Temp Roof / VB	LWC (Note 14)		Roof Cover (Note 15)				MDP (psf)
			Type	Surface Treatment	Primer	Base	Ply	Cap	
LWC-166.	Structural concrete	None	Concrecel Concrete, Min. 340 psi, min. 2-inch thick	None	None	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-127.5
LWC-167.	Structural Concrete	Asphaltic plies with asphalt flood coat	Concrecel Bonding Agent followed by Concrecel Concrete, Min. 300 psi, min. 2-inch thick	Concrecel Curing Comp	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA, SBS-TA or SBS-SA1	SBS-AA, SBS-TA or SBS-SA1	-202.5
LWC-168.	Structural Concrete	None	Concrecel Concrete, Min. 300 psi, min. 2-inch thick	Concrecel Curing Comp	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA, SBS-TA or SBS-SA1	SBS-AA, SBS-TA or SBS-SA1	-240.0
ELASTIZELL (FL4994):									
LWC-169.	Structural Concrete	Note 18	Elastizell, Min. 300 psi, min. 2-inch thick.	None	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-60.0
LWC-170.	Structural Concrete	Note 18	Elastizell, Min. 300 psi, min. 2-inch thick.	None	ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-240.0
LWC-171.	Structural Concrete	Note 18	Elastizell, Min. 450 psi, min. 2-inch thick. No EPS Holey Board.	None	(Optional) ASTM D41, Elastocol 500, Elastocol Stick	SBS-TA-P	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-302.5
PRE-EXISTENT CELLULAR LWC:									
LWC-172.	Structural Concrete	Note 18	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	None	None	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-SA1 or SBS-TA-F	-60.0
LWC-173.	Structural Concrete	None	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-180.0
LWC-174.	Structural Concrete (primed)	SBS-TA-F (sanded top surface)	Cellular lightweight concrete, Min. 350 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	None	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA or SBS-TA-F	-180.0

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:									
CWF-1.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-190.0
CWF-2.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-285.0
CWF-3.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-285.0
CWF-4.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-5.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-185.0
CWF-6.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-185.0
HOT- OR TORCH-APPLIED BASE:									
CWF-7.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-190.0
CWF-8.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-285.0
CWF-9.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-285.0
CWF-10.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-11.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-185.0
CWF-12.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-185.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									

TABLE 5A: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CWF-13.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-190.0
CWF-14.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-285.0
CWF-15.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-285.0
CWF-16.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-163.0
CWF-17.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-185.0
CWF-18.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-185.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:									
CWF-19.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-190.0
CWF-20.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
CWF-21.	Min. 2-inch Tectum Plank	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-285.0
CWF-22.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-23.	Min. 2-inch Tectum Plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 4-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0
CWF-24.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	N/A	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1A: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER													
System No.	Deck (Note 1)	Thermal Barrier		Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:													
CWF-25.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-26.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-27.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-185.0
CWF-28.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-CA3, SBS-CA4	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F	-185.0
HOT- OR TORCH-APPLIED BASE:													
CWF-29.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-30.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-163.0
CWF-31.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-185.0

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1A: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER													
System No.	Deck (Note 1)	Thermal Barrier		Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CWF-32.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK, 6-inch o.c.	SBS-AA, SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA-F	-185.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:													
CWF-33.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-163.0
CWF-34.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-163.0
CWF-35.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-185.0
CWF-36.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-185.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:													

TABLE 5B: CEMENTITIOUS WOOF FIBER DECKS – NEW CONSTRUCTION OR REROOF (TEAR-OFF) SYSTEM TYPE A-1A: BONDED THERMAL BARRIER, BONDED VAPOR BARRIER, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Thermal Barrier		Primer	Vapor Barrier	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)			Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CWF-37.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-38.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-163.0
CWF-39.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	None	SBS-CA3, SBS-AA or SBS-TA-F	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0
CWF-40.	Min. 2-inch Tectum Plank	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK, 4-inch o.c.	Elastocol Stick or Elastocol Stick Zero	SOPRAVAP'R, self-adhering or SBS-SA1	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r	DUOTACK, 6-inch o.c.	Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-185.0

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:												
CWF-41.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-42.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
HOT OR TORCH APPLIED BASE:												
CWF-43.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated) or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
CWF-44.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
CWF-45.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional Elastocol 500, Elastocol Stick.	hot asphalt	BP-AA, SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0
CWF-46.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
CWF-47.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CWF-48.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Optional Elastocol 500, Elastocol Stick.	DUOTACK	BP-AA, SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-45.0
CWF-49.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-45.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:												
CWF-50.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
CWF-51.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with Elastocol 500, Elastocol Stick, Elastocol Stick Zero	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0
CWF-52.	Min. 2-inch Tectum Plank	MODIFIED SOPRA G, SOPRA 4897	Min. 1.8-inch Twin Loc-Nail	9-inch o.c. at 3-inch laps and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
CWF-53.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD or min. 0.25-inch DensDeck. Top surface shall be primed with Elastocol 500, Elastocol Stick, Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA1	(Optional) SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-45.0
CWF-54.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK, 6-inch o.c.	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK, 6-inch o.c.	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-45.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:												

TABLE 5C: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasten (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
CWF-55.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Min. 1.8-inch Twin Loc-Nail	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK, 6-inch o.c.	Min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK, 6-inch o.c.	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-45.0

TABLE 5D: CEMENTITIOUS WOOF FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Ply	Cap	
COLD APPLIED BASE:									
CWF-56.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-30.0*
CWF-57.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	SBS-CA3, SBS-CA4	(Optional) SBS-CA4	SBS-CA3, SBS-CA4	-45.0*
HOT OR TORCH APPLIED BASE:									
CWF-58.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
CWF-59.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	BP-AA, SBS-AA, SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
CWF-60.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	OMG Polymer GypTec fastener & plate	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
CWF-61.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	BP-AA, SBS-AA, SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									
CWF-62.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.6 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
CWF-63.	Min. 2-inch Tectum Plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate	1 per 2.0 ft²	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-45.0*

TABLE 5E: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Ply	Cap	
CWF-64.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-60.0
CWF-65.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRALENE 180 Sanded 2.2	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0

TABLE 5F: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Ply	Cap	
CWF-66.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-60.0
CWF-67.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-60.0
CWF-68.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	None	SBS-CA4	-60.0
CWF-69.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
CWF-70.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
CWF-71.	Min. 2-inch Tectum Plank	One or more layers, any combination	SOPRAFIX Base 622	Twin-Loc Nail with MBB-TL, min. 1.3-inch embedment	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	None	SBS-CA4	-82.5

TABLE 5G: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Spacing	Base Ply	Cap	
CWF-72.	Min. 2-inch Tectum Plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-60.0
CWF-73.	Min. 2-inch Tectum Plank	SOPRALENE 180 Sanded 2.2	Twin Loc-Nail, min. 1.3-inch embedment	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0

TABLE 5H: CEMENTITIOUS WOOD FIBER DECKS – REROOF (TEAR-OFF) OR RECOVER SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Spacing	Ply	Cap	
CWF-74.	Min. 2-inch Tectum Plank	SOPRAFIX Base 612, 614 or 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-60.0
CWF-75.	Min. 2-inch Tectum Plank	SOPRAFIX Base 612, 614 or 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-60.0
CWF-76.	Min. 2-inch Tectum Plank	SOPRAFIX Base 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	9-inch o.c. within min. 4-inch wide, heat-welded laps and 9-inch o.c. in one center rows	None	SBS-CA4	-60.0
CWF-77.	Min. 2-inch Tectum Plank	SOPRAFIX Base 612, 614 or 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
CWF-78.	Min. 2-inch Tectum Plank	SOPRAFIX Base 612, 614 or 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
CWF-79.	Min. 2-inch Tectum Plank	SOPRAFIX Base 622	Twin Loc-Nail, min. 1.3-inch embedment with MBB-TL	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	None	SBS-CA4	-82.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 19 FOR VAPOR BARRIER OPTIONS.									
System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:									
G-1.	Existing poured gypsum or gypsum plank	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	-67.5
G-2.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-115.0
G-3.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	None	SBS-CA3, SBS-CA4	-115.0
G-4.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-5.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-162.5
G-6.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.4-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
G-7.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 19 FOR VAPOR BARRIER OPTIONS.									
System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-8.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-105.0
G-9.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-152.5
G-10.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-162.5
HOT OR TORCH APPLIED BASE:									
G-11.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-152.5
G-12.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-155.0
G-13.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
G-14.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-152.5
G-15.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-162.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER REFER TO NOTE 19 FOR VAPOR BARRIER OPTIONS.									
System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-16.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-162.5
G-17.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-152.5
G-18.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-162.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									
G-19.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, Multi-Max FA3, SOPRA-ISO x or H-Shield, SOPRA-ISO r, M-Shield.	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-150.0
G-20.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-152.5
G-21.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-162.5
G-22.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-152.5
G-23.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-162.5

TABLE 6A: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER
REFER TO NOTE 19 FOR VAPOR BARRIER OPTIONS.

System No.	Deck (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-24.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-152.5
G-25.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-162.5
G-26.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch DensDeck Prime primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-152.5
G-27.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-162.5
G-28.	Existing poured gypsum or gypsum plank	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-120.0
G-29.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-152.5
G-30.	Existing poured gypsum or gypsum plank	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-TA-F, SBS-SA1	-162.5

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: TEMP ROOF TO DECK, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Notes 1 &12)	Temp Roof (Note 15)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:											
G-31.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-32.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-33.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-34.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
G-35.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: TEMP ROOF TO DECK, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Notes 1 &12)	Temp Roof (Note 15)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-36.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-37.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-38.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-39.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
HOT OR TORCH APPLIED BASE:											
G-40.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: TEMP ROOF TO DECK, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Notes 1 &12)	Temp Roof (Note 15)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-41.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART XP HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART XP HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) SBS-TA-P, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
G-42.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-60.0
G-43.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-44.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-45.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: TEMP ROOF TO DECK, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Notes 1 &12)	Temp Roof (Note 15)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-46.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:											
G-47.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-48.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-60.0
G-49.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-50.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DensDeck Prime primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 6B: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-1: TEMP ROOF TO DECK, BONDED INSULATION, BONDED ROOF COVER											
System No.	Deck (Notes 1 &12)	Temp Roof (Note 15)	LWC (Note 14)	Base Insulation Layer		Coverboard		Roof Cover (Note 15)			MDP (psf)
				Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
G-51.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
G-52.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board primed with Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F, SBS-SA1	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:											
G-53.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0
G-54.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 7/16-inch DEXcell Cement Roof Board primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0
G-55.	Existing poured gypsum or gypsum plank	SBS-CA2 (with sanded top surface), 12-inch o.c.	Cellular lightweight concrete, Min. 330 psi, Min. 2-inch top coat *Note: To qualify the LWIC under this assembly, a SOPREMA 1.7 in. Base Sheet Fastener or OMG CR Assembled Base Sheet Fastener (1.7") shall achieve an average withdrawal of 101 lbf when tested per TAS 105 or ANSI/SPRI FX-1*	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.25-inch DEXcell FA Glass Mat Roof Board be primed with Elastocol Stick or Elastocol Stick Zero.	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-60.0

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER												
System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:												
G-56.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-57.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	(Optional) Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3	None	SBS-CA3	-30.0*
G-58.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-59.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	(Optional) Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-30.0*
HOT OR TORCH APPLIED BASE:												
G-60.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (six-side coated) or min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
G-61.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch DensDeck or DensDeck Prime	hot asphalt	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
G-62.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated) or min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
G-63.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.25-inch DensDeck or DensDeck Prime	DUOTACK	SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*

TABLE 6C: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE A-2: MECHANICALLY ATTACHED ANCHOR SHEET, BONDED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Anchor Sheet			Base Insulation		Top Insulation		Roof Cover (Note 15)			MDP (psf)
		Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:												
G-64.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	hot asphalt	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	hot asphalt	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
G-65.	Existing poured gypsum or gypsum plank	MODIFIED SOPRA G, SOPRA 4897	Twin Loc-Nail (Field W/D ≥ 55 lbf)	9-inch o.c. at the 3-inch lap and 12-inch o.c. in two, equally spaced, staggered center rows	Min. 1.5-inch ACFoam II, SOPRA-ISO s or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	DUOTACK	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF)
SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER

System No.	Deck (Note 1)	Base Insulation Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Ply	Cap	
COLD APPLIED BASE:									
G-66.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-30.0*
G-67.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	SBS-CA3	None	SBS-CA3	-30.0*
G-68.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-45.0*
G-69.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft²	SBS-CA3	None	SBS-CA3	-45.0*
HOT OR TORCH APPLIED BASE:									
G-70.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	OMG Polymer GypTec fastener & plate (Field W/D ≥ 120 lbf)	1 per 2.0 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
G-71.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft²	BP-AA, SBS-AA, SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-30.0*
G-72.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.5-inch Structodek High Density Fiberboard Roof Insulation (coated one side, black side up or six-side coated)	OMG Polymer GypTec fastener & plate (Field W/D ≥ 117 lbf)	1 per 1.3 ft²	BP-AA or SBS-AA	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*

TABLE 6D: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE C-1: MECHANICALLY ATTACHED INSULATION, BONDED ROOF COVER									
System No.	Deck (Note 1)	Base Insulation Layer(s)	Top Insulation Layer			Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Base	Ply	Cap	
G-73.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft^2	BP-AA, SBS-AA, SBS-TA-F	(Optional) SBS-AA or SBS-TA-F	SBS-AA or SBS-TA	-45.0*
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									
G-74.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 156 lbf)	1 per 2.6 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-30.0*
G-75.	Existing poured gypsum or gypsum plank	(Optional) One or more layers, any combination, loose laid	Min. 0.25-inch DensDeck primed with D41 primer, Elastocol Stick or Elastocol Stick Zero or DensDeck Prime	OMG Polymer GypTec fastener & plate (Field W/D ≥ 180 lbf)	1 per 2.0 ft^2	SBS-SA1	(Optional) SBS-CA4, SBS-AA or SBS-TA-F	SBS-CA4, SBS-AA, SBS-TA or SBS-SA1	-45.0*

TABLE 6E: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE D-1: INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Base Ply	Cap	
G-76.	Existing poured gypsum or gypsum plank	One or more layers, any combination	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-60.0
G-77.	Existing poured gypsum or gypsum plank	One or more layers, any combination	SOPRALENE 180 Sanded 2.2	Twin Loc-Nails (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0

TABLE 6F: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Ply	Cap	
G-78.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-60.0
G-79.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 611, 612, 614 or 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-60.0
G-80.	Existing poured gypsum or gypsum plank	Min. 1.5-inch, One or more layers, any combination	SOPRAFIX Base 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	None	SBS-CA4	-60.0

TABLE 6F: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE D-2: INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER								
System No.	Deck (Note 1)	Insulation (Note 13)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Ply	Cap	
G-81.	Existing poured gypsum or gypsum plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
G-82.	Existing poured gypsum or gypsum plank	One or more layers, any combination	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
G-83.	Existing poured gypsum or gypsum plank	One or more layers, any combination	SOPRAFIX Base 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	None	SBS-CA4	-82.5

TABLE 6G: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE E-1: NON-INSULATED, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Spacing	Base Ply	Cap	
G-84.	Existing poured gypsum or gypsum plank	SOPRABASE S or SOPRALENE 180 Sanded 2.2	Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-AA, SBS-TA-F or SBS-SA1	SBS-AA, SBS-TA-F or SBS-SA1	-60.0
G-85.	Existing poured gypsum or gypsum plank	SOPRALENE 180 Sanded 2.2	Twin Loc-Nail (Field W/D ≥ 59 lbf)	6-inch o.c. at 4-inch laps and 6-inch o.c. in two, equally spaced, staggered center rows	SBS-CA4	SBS-CA4, SBS-AA, SBS-TA-F or SBS-SA1	-60.0

TABLE 6H: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Spacing	Ply	Cap	
G-86.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-37.5
G-87.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-37.5
G-88.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 179 lbf)	10-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-37.5
G-89.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-45.0
G-90.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
G-91.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 193 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps	None	SBS-CA4	-45.0
G-92.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-52.5
G-93.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	(Optional) One or two SBS-TA	SBS-TA	-52.5

TABLE 6H: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE E-2: NON-INSULATED, MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER							
System No.	Deck (Note 1)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
		Base	Fasteners (Note 11)	Spacing	Ply	Cap	
G-94.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 175 lbf)	7-inch o.c. within the 5-inch wide heat-welded side lap	None	SBS-CA4	-52.5
G-95.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-60.0
G-96.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-60.0
G-97.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Twin Loc-Nails (Field W/D ≥ 129 lbf)	9-inch o.c. within 5-inch wide, heat-welded laps and 9-inch o.c. in one center row	None	SBS-CA4	-60.0
G-98.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-67.5
G-99.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-67.5
G-100.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 129 lbf)	8-inch o.c. within 5-inch wide, heat-welded laps and 8-inch o.c. in one center row	None	SBS-CA4	-67.5
G-101.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-75.0
G-102.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 613, 614 or 622	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	(Optional) One or two SBS-TA-F	SBS-TA-F	-75.0
G-103.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Tri-Fixx (Field W/D ≥ 143 lbf)	8-inch o.c. in the 5-inch laps and 8-inch o.c. in one center row	None	SBS-CA4	-75.0
G-104.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA4	-82.5
G-105.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 612, 614 or 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	(Optional) One or two SBS-TA-F	SBS-TA-F	-82.5
G-106.	Existing poured gypsum or gypsum plank	SOPRAFIX Base 622	Twin-Loc Nail with MBB-TL (Field W/D ≥ 122 lbf)	6-inch o.c. within min. 4-inch wide, heat-welded laps and 6-inch o.c. in one center rows	None	SBS-CA4	-82.5

TABLE 6I: GYPSUM DECKS – REROOF (TEAR-OFF) SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER					
System No.	Deck (Notes 1 & 12)	Roof Cover (Note 15)			MDP (psf)
		Base	Ply	Cap	
G-107.	Existing poured gypsum or gypsum plank	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-CA4, BP-AA, SBS-AA, SBS-AA2, SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2, SBS-TA	-60.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:									
R-1.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	-67.5
R-2.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.4-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
R-3.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-4.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-5.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-CA3	None	SBS-CA3	-260.0
R-6.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3 or H-Shield, SOPRA-ISO r, M-Shield	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-CA2, 12-inch o.c.	(Optional) SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	SBS-CA3, SBS-AA, SBS-TA-F or SBS-SA1	-67.5
R-7.	Granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-8.	Granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	None	SBS-CA3, SBS-CA4	-195.0
R-9.	Smooth-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-10.	Smooth-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	None	SBS-CA3, SBS-CA4	-260.0
R-11.	Granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-12.	Smooth-surface SBS modified bitumen	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, ENRGY 3 25 PSI AGF, ENRGY 3 25 PSI CGF, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r, Multi-Max FA3, SOPRA-ISOx, UltraMax, SOPRA-ISO+x	DUOTACK	SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-260.0
R-13.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.4-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA4	(Optional) SBS-CA4	SBS-CA4	-60.0
R-14.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-15.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0
R-16.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-150.0
R-17.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-195.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-18.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-CA3	None	SBS-CA3	-260.0
HOT OR TORCH APPLIED BASE:									
R-19.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-20.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-260.0
R-21.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-150.0
R-22.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	hot asphalt	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-260.0
R-23.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck	hot asphalt	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-150.0
R-24.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch DensDeck Prime	hot asphalt	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-195.0
R-25.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-TA-P	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-26.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-195.0
R-27.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-260.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-28.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA, SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-29.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-30.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-260.0
R-31.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-150.0
R-32.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-150.0
R-33.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded or SOPRASMART ISO HD 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 or SOPRASMART ISO HD 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-260.0
R-34.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-150.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-35.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch DensDeck Prime	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-195.0
R-36.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P or SBS-TA-F	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-37.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-TA-P	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-38.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-195.0
R-39.	Smooth-surface SBS modified bitumen	Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	BP-AA, SBS-AA or SBS-TA-F	(Optional) BP-AA, SBS-AA or SBS-TA-F	SBS-AA or SBS-TA-F	-260.0
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:									
R-40.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.4-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	(Optional) Additional layers of base insulation	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-41.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.125-inch SOPRABOARD	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-42.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	hot asphalt	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-150.0
R-43.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ENRGY 3, H-Shield, SOPRA-ISO r, Multi-Max FA3 or SOPRA-ISO x	hot asphalt	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	hot asphalt	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-44.	Smooth- or granule-surface modified bitumen or BUR	Min. 1.4-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	(Optional) Additional layers of base insulation	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0

TABLE 7A: RECOVER APPLICATIONS SYSTEM TYPE A-1: BONDED INSULATION, BONDED ROOF COVER									
System No.	Substrate (Notes 1 & 12)	Base Insulation Layer		Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
		Type	Attach (Notes 6,7&8)	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-45.	Smooth- or granule-surface modified bitumen or BUR	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-46.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-47.	Smooth- or granule-surface modified bitumen or BUR	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1	-150.0
R-48.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-150.0
R-49.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 1.5-inch, min. 1.25 pcf, Insulfoam	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
R-50.	Smooth- or granule-surface modified bitumen or BUR	(Optional) Min. 2-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.25-inch SECUROCK Gypsum-Fiber Roof Board	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-150.0
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:									
R-51.	Smooth- or granule-surface modified bitumen or BUR	(Optional) One or more layers min. 1.5-inch, min. 1.25 pcf, Insulfoam or Min. 1.5-inch ACFoam II, SOPRA-ISO s, ACFoam III, SOPRA-ISO+ s, EnergyGuard POLYSIO Insulation, ENRGY 3, ENRGY 3 AGF, ENRGY 3 CGF, H-Shield, SOPRA-ISO r, H-Shield CG, SOPRA-ISO+ r, Multi-Max FA-3, SOPRA-ISO x	DUOTACK	Min. 0.125-inch SOPRABOARD primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-150.0

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER											
System No.	Substrate (Notes 1 & 12)	Vapor Barrier	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
COLD APPLIED BASE:											
R-52.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft^2 (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	SBS-CA3, SBS-CA4	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
R-53.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft^2 (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD primed with DETEC "TruGround Conductive Primer"	DUOTACK	SBS-CA3	(Optional) SBS-CA3, SBS-CA4	SBS-CA3, SBS-CA4	-52.5
R-54.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft^2 (18 per 4x8 ft board)	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded	DUOTACK	(Optional) SBS-CA3, SBS-CA4	None	SBS-CA3, SBS-CA4	-52.5
HOT OR TORCH APPLIED BASE:											
R-55.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft^2 (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board	DUOTACK	BP-AA, SBS-AA, SBS-TA-F	(Optional) BP-AA, SBS-AA, SBS-TA-F	SBS-AA, SBS-TA-F	-52.5

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER											
System No.	Substrate (Notes 1 & 12)	Vapor Barrier	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-56.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft² (18 per 4x8 ft board)	Additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded (for AA Base or Cap Ply) or SOPRASMART Board 180 (for TA Base or Cap Ply)	DUOTACK	(Optional) BP-AA, SBS-AA, SBS-TA-F	None	SBS-AA or SBS-TA-F	-52.5
ELASTOPHENE STICK, ELASTOPHENE FLAM STICK, SOPRALENE STICK OR SOPRALENE FLAM STICK BASE:											
R-57.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft² (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD. Top surface shall be primed with Elastocol Stick Zero. or min. 0.25-inch DensDeck Prime, DEXcell FA Glass Mat Roof Board or SECUROCK Gypsum Fiber Roof Board or min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA1	(Optional) SBS-AA, SBS-SA1 or SBS-TA-F	SBS-AA, SBS-SA1 or SBS-TA-F	-52.5
R-58.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft² (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by SOPRASMART Board 180 Sanded. Top surface shall be primed with Elastocol Stick Zero	DUOTACK	(Optional) SBS-SA1	None	SBS-SA1 or SBS-TA-F	-52.5
ELASTOPHENE ULTRA-STICK OR SOPRALENE ULTRA-STICK BASE:											

TABLE 7B: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS
SYSTEM TYPE B-1: MECHANICALLY ATTACHED BASE INSULATION, BONDED TOP INSULATION, BONDED ROOF COVER

System No.	Substrate (Notes 1 & 12)	Vapor Barrier	Base Insulation Layer			Top Insulation Layer		Roof Cover (Note 15)			MDP (psf)
			Type	Fasteners (Note 11)	Attach	Type	Attach (Notes 6,7&8)	Base	Ply	Cap	
R-59.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	(Optional) Min. 6-mil polyethylene or one or more layers Approved Soprema base sheet or modified bitumen sheet, loose-laid	Min. 2-inch ACFoam II, SOPRA-ISOs, ACFoam III, SOPRA-ISO+s, H-Shield, SOPRA-ISOr, H-Shield CG, SOPRA-ISO+r	Trufast Versa-Fast Plates with minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates to engage existing substrate (Field W/D ≥ 187 lbf; see Note below)	1 per 1.8 ft² (18 per 4x8 ft board)	Optional additional layer(s) base insulation followed by min. 0.125-inch SOPRABOARD, Min. 0.25-inch DEXcell FA Glass Mat Roof Board or Min. 7/16-inch DEXcell Cement Roof Board. Top surface shall be primed with Elastocol Stick or Elastocol Stick Zero	DUOTACK	SBS-SA2	(Optional) SBS-SA2	SBS-SA2	-52.5

Note: The number of Versa-Fast Fasteners used in the Versa-Fast Plates may be increased from the minimum noted in order to achieve the required minimum field withdrawal performance noted for the system.

TABLE 7C: REROOF (TEAR-OFF) APPLICATIONS
SYSTEM TYPE E-1: LWC TO DECK, MECHANICALLY ATTACHED BASE SHEET, BONDED ROOF COVER

System No.	Deck (Note 1)	LWC (Note 14)	Base Sheet			Roof Cover (Note 15)		MDP (psf)
			Base	Fasteners (Note 11)	Spacing	Base Ply(s)	Cap	
PRE-EXISTENT AGGREGATE LWC:								
R-60.	Structural concrete	Pre-existent min. 360 psi aggregate lightweight insulating concrete	MODIFIED SOPRA G or SOPRABASE S	Trufast FM-75 (Field W/D ≥ 67 lbf)	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-AA, SBS-AA2 or SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0
R-61.	Structural concrete	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRA 4897	Trufast FM-75 (Field W/D ≥ 67 lbf)	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-CA4, SBS-AA, SBS-AA2 or SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0
R-62.	Structural concrete	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRABASE TG	Trufast FM-75 (Field W/D ≥ 67 lbf)	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	One or two SBS-TA-F	SBS-CA4, SBS-AA, SBS-AA-2 or SBS-TA-F	-45.0
R-63.	Structural concrete	Pre-existent min. 360 psi aggregate lightweight insulating concrete	SOPRABASE S or SOPRA 4897. Top surface shall be primed with Elastocol Stick Zero	Trufast FM-75 (Field W/D ≥ 67 lbf)	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA1	SBS-SA1 or SBS-TA-F	-45.0
R-64.	Structural concrete	Pre-existent min. 360 psi aggregate lightweight insulating concrete	ULTRA-STICK Nail Base	Trufast FM-75 (Field W/D ≥ 67 lbf)	9-inch o.c. at the 3.5-inch laps and 9-inch o.c. in two, equally spaced, staggered center rows	SBS-SA2	SBS-SA2	-45.0

TABLE 7D: RE-ROOF (TEAR-OFF) OR RECOVER APPLICATIONS SYSTEM TYPE E-2: MECHANICALLY ATTACHED SOPRAFIX, BONDED ROOF COVER							
System No.	Substrate (Notes 1 & 12)	Base Membrane			Roof Cover (Note 15)		MDP (psf)
		Type	Fasteners (Note 11)	Spacing	Ply	Cap	
R-65.	Pre-existent min. 300 psi cellular lightweight insulating concrete over steel or structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 193 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-45.0
R-66.	Pre-existent min. 300 psi cellular lightweight insulating concrete over steel or structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 193 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	(Optional) One or two SBS-TA-F	SBS-TA-F	-45.0
R-67.	Pre-existent min. 300 psi cellular lightweight insulating concrete over steel or structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 193 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum two (2) Versa-Fast Fasteners installed 180° into the holes of the Versa-Fast Plates, parallel to the width-direction of the sheet.	None	SBS-CA4	-45.0
R-68.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 226 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plates (see Note below)	ELASTOPHENE SP or SOPRALENE 180 SP, torch-applied	SBS-CA3, SBS-CA4	-52.5
R-69.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 613	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 226 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plates (see Note below)	(Optional) One or two SBS-TA-F	SBS-TA-F	-52.5
R-70.	Pre-existent min. 360 psi aggregate or min. 320 psi cellular lightweight insulating concrete over structural concrete deck or poured gypsum or gypsum plank	SOPRAFIX Base 622	Trufast Versa-Fast Fasteners & Plates to engage existing substrate (Field W/D ≥ 226 lbf; see Note below)	Trufast Versa-Fast Plates spaced 9-inch o.c. within the 5-inch wide, heat-welded side laps. Minimum three (3) Versa-Fast Fasteners installed parallel to the width direction of the sheet into the holes of the Versa-Fast Plates (see Note below)	None	SBS-CA4	-52.5
Note: The number of Versa-Fast Fasteners used in the Versa-Fast Plates may be increased from the minimum noted in order to achieve the required minimum field withdrawal performance noted for the system.							

TABLE 7E: RECOVER APPLICATIONS SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER						
System No.	Substrate (Notes 1 & 12)	Primer	Roof Cover (Note 15)			MDP (psf)
			Base Ply	Ply	Cap Ply	
R-71.	Existing, smooth- or granule-surface, fully-adhered, SBS modified bitumen roof system over structural concrete deck	None	SBS-CA2, 6-inch o.c.	(Optional) SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TA-F	SBS-CA3, SBS-CA4, SBS-AA, SBS-AA2 or SBS-TA-F	-247.5
R-72.	Existing, smooth- or granule-surface, fully-adhered, SBS modified bitumen roof system over structural concrete deck	None	None	None	SBS-CA2, 6-inch o.c.	-247.5
R-73.	Fully adhered, granule-surface, SBS modified bitumen	Elastocol 500	None	None	Colvent Flam 180 FR GR, torch applied	-572.5