

Nemo etc.

PEER-HSP-001.A.R3

FL14724-R13

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ENGINEER EVALUATE Test Consult

P.E. EVALUATION REPORT (PEER)

HOLCIM SOLUTIONS AND PRODUCTS US, LLC (GACO)

1245 Chapman Drive Waukesha, WI 53186 (800) 331-0196

Date of Issuance: 02/10/2021 Revision 3: 10/13/2023

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C.** <u>Rule 61G20-3</u> 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 **8**th **Edition (2023) Florida Building Code** <u>sections noted herein</u>.

DESCRIPTION: GacoFlex™ Roof Coatings

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

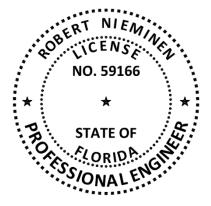
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO 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 PEER relative to updated Code requirements with each Code Cycle.

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

INSPECTION: Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 9.

Prepared by:



CERTIFICATION OF INDEPENDENCE:

- 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 PEERs 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 PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing

Sub-Category: Cements – Adhesives - Coatings

Compliance Statement: GacoFlex™ Roof Coatings, as produced by HOLCIM SOLUTIONS AND PRODUCTS US, LLC (GACO), have demonstrated compliance with the following sections of the 8th Edition (2023) Florida Building Code through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations of Use set forth herein.

2. STANDARDS:

| SECTION | PROPERTY | STANDARD |
|---|-------------------|------------|
| 1507.10.2, 1507.14.3, 1509.2, R905.9.2, | Material standard | ASTM D6083 |
| R905.11.2, R905.14.3, 1523.6.2.1.1, | | |
| 1523.6.5.2.12.2, TAS 110 | | |
| 1507.14.3, 1509.2, R905.14.3, | Material standard | ASTM D6694 |
| R905.15.2, TAS 110 | | |
| 1523.6.2.1.1 | Wind driven rain | TTC-555B |

3. REFERENCES:

| ENTITY | EXAMINATION | REFERENCE | DATE |
|--------------------|----------------------|----------------------|------------|
| NEMO (TST6049) | ASTM D6083, TTC-555B | 4p-FBP-20-SSLAP-01.A | 02/03/2021 |
| PRI (TST5878) | ASTM D6694, TTC-555B | GWI-026-02-01 | 12/11/2015 |
| PRI (TST5878) | ASTM D6694, adhesion | GWI-024-02-02 | 06/01/2016 |
| PRI (TST5878) | ASTM D6083, TTC-555B | GWI-045-02-01 | 07/21/2017 |
| PRI (TST5878) | ASTM D6694, TTC-555B | GWI-042-02-01 | 01/09/2018 |
| PRI (TST5878) | ASTM D6694, TTC-555B | GWI-044-02-01 | 01/09/2018 |
| PRI (TST5878) | ASTM D6694, TTC-555B | GWI-043-02-01 | 01/09/2018 |
| PRI (TST5878) | ASTM D6694, adhesion | GWI-062-02-01 | 10/25/2018 |
| PRI (TST5878) | ASTM D6694 | GWI-071-02-01 | 09/12/2019 |
| PRI (TST5878) | ASTM D6694, adhesion | 348T0030 | 02/10/2020 |
| PRI (TST5878) | ASTM D6083 | 348T0053 | 09/10/2020 |
| PRI (TST5878) | ASTM D6083, adhesion | 348T0098 | 12/01/2020 |
| UL, LLC (QUA 9625) | Quality Control | Service Confirmation | 12/21/2020 |

4. PRODUCT DESCRIPTION:

The following GacoFlex™ Roof Coatings are acceptable for use in any roof system approval or – for roof coatings – any fire rating directory listing, which refers to the specific product or to the codified ASTM designation for the product.

| | TABLE 1A: EVALUATED COATINGS | | | | | | | | | |
|---------------|------------------------------|-----------------|---|--|--|--|--|--|--|--|
| Product | Product Material Standard | | Approved Use | | | | | | | |
| GacoFlex A-31 | ASTM D6083, Type I | Waukesha, WI | water-borne, single component elastomeric roof coating | | | | | | | |
| GacoFlex A-47 | ASTM D6083, Type I | Waukesha, WI | water-borne, single component elastomeric roof coating | | | | | | | |
| GacoFlex U-91 | ASTM D6083, Type I | Waukesha, WI | single-component moisture cure polyurethane roof coating | | | | | | | |
| GacoFlex S-10 | ASTM D6694 | Waukesha, WI | single-component waterproof elastomeric moisture-curing silicone roof coating | | | | | | | |
| GacoFlex S-20 | ASTM D6694 | Waukesha, WI | solvent-free, single-component waterproof elastomeric moisture- curing silicone roof coating | | | | | | | |



| | Table 1a: Evaluated Coatings | | | | | | | | |
|--|------------------------------|-------------------|---|--|--|--|--|--|--|
| Product | Material Standard | Plant(s) | Approved Use | | | | | | |
| GacoFlex S-21 | ASTM D6694 | Waukesha, WI | solvent-free, single-component waterproof elastomeric moisture- curing silicone roof coating | | | | | | |
| GacoFlex S-42 | ASTM D6694 | Waukesha, WI | solvent-free, single-component waterproof elastomeric moisture- curing silicone roof coating | | | | | | |
| GacoRoof GR-16 | ASTM D6694 | Waukesha, WI | single component elastomeric air-dry silicone roof coating | | | | | | |
| | | TABLE 1B: SUBSTR | ATE TREATMENTS & PRIMERS | | | | | | |
| Product | Material Standard | Plant(s) | Approved Use | | | | | | |
| GacoFlex E-5320 | N/A | Waukesha, WI | two-component water-based epoxy primer/filler | | | | | | |
| GacoFlex A-4271 BleedTrap Base Coat | N/A | Waukesha, WI | single-component, water-based sealer for use on roofing substrates containing bitumen | | | | | | |
| GacoPrime LVOC | N/A | South Bend, IN | Solvent-based primer | | | | | | |
| GacoWash | N/A | Waukesha, WI | concentrated cleaning solution for roofing membranes, metal panels and existing waterproofing systems | | | | | | |

5. LIMITATIONS:

- 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 PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER 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.
- 5.3 This PEER does not include evaluation of fire classification. Refer to **FBC 1505** or **FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.4 **GacoFlex™ Roof Coatings** are components for use in Approved roof assemblies. Refer to the "Approved Use" in Section 4 for each component. The coatings noted herein are not purported to be Roofing Systems, and their use shall be governed by and limited to applications where Roof System Product Approval is not necessary (e.g., maintenance and repair) or where the components are called out in a Roof System Product Approval.
- 5.5 The existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 5.6 All products listed herein shall have quality assurance audit in accordance with **F.A.C.** Rule 61G20-3 requirements.



6. INSTALLATION:

GacoFlex[™] Roof Coatings shall be installed in accordance with HOLCIM SOLUTIONS AND PRODUCTS US, LLC (GACO) installation instructions, subject to the Approved Use in Section 4 and Limitations of Use herein.

6.2 Allowable Substrates:

| | TABLE 2: ALLOWABLE SUBSTRATES | | | | | | | | | |
|--------------------------------------|-------------------------------|-----------|-----------|--------|-----------|-----------|-------------|--|--|--|
| | GACOFLEX A-31 | | | | | | | | | |
| SUBSTRATE (NOTE 5.5) | | | TREATMENT | Downer | BASE COAT | MID COAT | FINISH COAT | | | |
| Түре | SURFACE | CONDITION | IKEAIMENI | PRIMER | (GAL/SQ.) | (GAL/SQ.) | (GAL/SQ.) | | | |
| Spray polyurethane foam (SPUF) | N/A | New | N/A | N/A | 1.25 | 1.25 | 1.25 | | | |

| TABLE 3: ALLOWABLE SUBSTRATES | | | | | | | | | | |
|--------------------------------------|-----------------|----------------------------|---|--|---------------------|-------------|--|--|--|--|
| GACOFLEX A-47 | | | | | | | | | | |
| SUBS | SURFACE | CONDITION | TREATMENT | Primer | BASE COAT (GAL/SQ.) | FINISH COAT | | | | |
| Built-up roof | | | | | | | | | | |
| (BUR) | Gravel | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Coating, acrylic | N/A | Existing (aged) | N/A | N/A | 1.5 | 1.5 | | | | |
| Concrete, structural | N/A | New or Existing (aged) | N/A | N/A | 1.5 | 1.5 | | | | |
| Metal, aluminum | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| ivietai, aluiliiliulii | IN/A | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Metal, | N/A | New or | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Galvalume® | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | | |
| Metal, | N/A | New or | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| galvanized steel | N/A | Existing (aged) | | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Metal, PVDF | NI/A | N/A New or Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Kynar coated N/A | IN/A | | | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Modified | Granule | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Bitumen, APP | Sanded | Existing (aged) | N/A | N/A | 1.5 | 1.5 | | | | |
| Modified | Granule | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Bitumen, SBS | Sanded | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Single Ply, CSPE | N/A | Evisting (agod) | NI/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| (Hypalon) | IN/A | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Single Ply, EPDM | N/A | Existing (aged) | NI/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Siligle Ply, EPDIVI | IN/A | Existing (ageu) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Single Ply, KEE | N/A | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Siligie Fly, KLL | N/A | Existing (ageu) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Single Ply, PVC | N/A | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Jingle Fly, FVC | 11/74 | LAISTING (ageu) | IV/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Single Ply, TPO | N/A | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 | 1.5 | | | | |
| Jiligie Fly, IFO | 11/74 | LAISTING (ageu) | IV/A | GacoPrime LVOC Primer at 0.4 gal/sq. | 1.5 | 1.5 | | | | |
| Spray polyurethane foam (SPUF) | N/A | New | N/A | N/A | 1.5 | 1.5 | | | | |



| | | | | | NEMO Petc. | | | | | | |
|--------------------------------------|--|---------------------------|--|--|--|--|--|--|--|--|--|
| | TABLE 4: ALLOWABLE SUBSTRATES | | | | | | | | | | |
| | GACOFLEX U-91 | | | | | | | | | | |
| | SUBSTRATE (NOTE 5.5) Type Surface Condition | | TREATMENT | Primer | APPLICATION | | | | | | |
| | SURFACE | CONDITION | | | Three (3) or four (4) coats at | | | | | | |
| Built-up roof (BUR) | Gravel | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.2 gal/sq. | 1.5 gal/sq. per coat | | | | | | |
| Coating, acrylic | N/A | Existing (aged) | N/A | N/A | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Concrete, structural | N/A | New or Existing (aged) | Etched | (Optional) GacoFlex E-5691 Primer at 0.33 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Motal aluminum | NI/A | New or | NI/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Metal, aluminum | N/A | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Metal, | NI/A | New or | NI/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Galvalume [®] | N/A | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Metal, N/A | New or | N/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | | |
| galvanized steel | galvanized steel | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Metal, PVDF | N/A | New or Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Kynar coated | N/A | | NA | (Optional) GacoPrime LVOC Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Modified | Granule | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Bitumen, APP | Sanded | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Modified | Granule | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Bitumen, SBS | Sanded | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Single Ply, CSPE | N/A | Existing (aged) | N/A | (Optional) GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| (Hypalon) | N/A | Existing (ugeu) | N/A | (Optional) GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| | | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Single Ply, KEE | N/A | Existing (aged) | IV/ A | GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| | | Existing (aged) | N/A | N/A | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Single Ply, PVC | N/A | New or Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Single Ply, TPO | N/A | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4 gal/sq. | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |
| Spray polyurethane foam (SPUF) | N/A | New | N/A | N/A | Three (3) or four (4) coats at 1.5 gal/sq. per coat | | | | | | |



| | | TAI | BLE 5: A LLOW | ABLE SUBSTRATES | | | | | | |
|----------------------|--------------------|------------------------|----------------------|---|-----------|-------------|--|--|--|--|
| GACOFLEX S-10 | | | | | | | | | | |
| Sui | SSTRATE (NOTE 5.5) | | T | Barren | BASE COAT | FINISH COAT | | | | |
| Түре | SURFACE | CONDITION | TREATMENT | Primer | (GAL/SQ.) | (GAL/SQ.) | | | | |
| Built-up roof (BUR) | Smooth | New or Existing | GacoWash | GacoFlex E-5320 Primer at 0.4 gal/sq. | N/A | 2.2 | | | | |
| Built-up foot (BON) | 311100111 | (aged) | Gacowasii | Gacoriex E-5520 Fillilei at 0.4 gai/sq. | 1.1 | 1.1 | | | | |
| Coating, acrylic N/A | N/A | Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 2.2 | | | | |
| | N/A | Existing (ageu) | Gacowasii | Gacoriex E-5320 Frimer at 0.5 gai/sq. | 1.1 | 1.1 | | | | |
| Metal, galvanized | N/A | New or Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 2.2 | | | | |
| steel | N/A | | | Gacoriex E-5520 Fillilei at 0.5 gai/sq. | 1.1 | 1.1 | | | | |
| Modified Bitumen, | Granule | New or Existing | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 2.2 | | | | |
| SBS | Granule | (aged) | | Gacoriex E-33201 Timer at 0.3 gai/3q. | 1.1 | 1.1 | | | | |
| Single Ply, KEE | N/A | New or Existing | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 2.2 | | | | |
| Siligle Ply, REE | N/A | (aged) | 13F-FF | | 1.1 | 1.1 | | | | |
| Single Dly DVC | N/A | New or Existing | TSP-PF | GasaFloy E E220 Primar at 0.2 gal/sg | N/A | 2.2 | | | | |
| Single Ply, PVC | N/A | (aged) | 134-41 | GacoFlex E-5320 Primer at 0.3 gal/sq. | 1.1 | 1.1 | | | | |
| Spray polyurethane | N/A | New | N/A | N/A | N/A | 2.2 | | | | |
| foam (SPUF) | IN/A | New | N/A | IV/A | 1.1 | 1.1 | | | | |

| | | | TABLE 6: ALLOWA | ABLE SUBSTRATES | | | | | | |
|-----------------------|----------|---------------------------|-----------------|--|------------------------|--------------------------|--|--|--|--|
| GACOFLEX S-20 | | | | | | | | | | |
| SUBST TYPE | SURFACE | Condition | TREATMENT | PRIMER | BASE COAT (GAL/SQ.) | FINISH COAT (GAL/SQ.) | | | | |
| Duilt up as of (DLID) | Connecth | New or | Casallyaak | Constitute 5 5220 Paire on at 0.4 caller | N/A | 1.5 | | | | |
| Built-up roof (BUR) | Smooth | Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.4 gal/sq. | 0.75 | 0.75 | | | | |
| Coating, acrylic | N/A | Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | | |
| Coating, acrylic | IN/A | Existing (ageu) | dacovvasii | Gacoriex E-3320 Filitier at 0.3 gai/sq. | 0.75 | 0.75 | | | | |
| Metal, galvanized | N/A | New or | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | | |
| steel | IN/A | Existing (aged) | dacovvasii | Gacoriex E-3320 Filliler at 0.3 gal/sq. | 0.75 | 0.75 | | | | |
| | | | GacoFlex A-4271 | GacoFlex E-5320 Primer at 0.2 gal/sq. | N/A | 1.5 | | | | |
| | Granule | New or | at 1 gal/sq. | Gacoriex E-3320 Filmer at 0.2 gai/sq. | 0.75 | 0.75 | | | | |
| Modified Bitumen, | Granule | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | | |
| APP | | | N/A | Gacoriex E-3320 Filiner at 0.3 gar/sq. | 0.75 | 0.75 | | | | |
| | Sanded | New or Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | | |
| | Janueu | | | | 0.75 | 0.75 | | | | |
| | | | GacoFlex A-4271 | GacoFlex E-5320 Primer at 0.2 gal/sq. | N/A | 1.5 | | | | |
| | Granule | New or | at 1 gal/sq. | Gacoriex E-3320 Filliler at 0.2 gai/sq. | 0.75 | 0.75 | | | | |
| Modified Bitumen, | Granule | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | | |
| SBS | | | N/A | Gacoriex E-3320 Filliler at 0.3 gai/sq. | 0.75 | 0.75 | | | | |
| | Sanded | New or | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | | |
| | Janueu | Existing (aged) | IV/A | | 0.75 | 0.75 | | | | |
| Single Ply, EPDM | N/A | New or | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | | |
| Siligie Fly, LFDIVI | IN/A | Existing (aged) | 135-51 | Gacoriex E-3320 Filmer at 0.3 gar/sq. | 0.75 | 0.75 | | | | |
| Single Ply, KEE | N/A | New or | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | | |
| Siligie Fly, KLL | IN/A | Existing (aged) | 137-71 | Gacoriex E-3320 Filliler at 0.3 gai/sq. | 0.75 | 0.75 | | | | |
| Single Ply, PVC | N/A | New or | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | | |
| Jiligie Fly, FVC | IN/A | Existing (aged) | 13111 | Gacoriex E-3320 Filliner at 0.3 gal/sq. | 0.75 | 0.75 | | | | |
| Spray polyurethane | N/A | Now | N/A | N/A | N/A | 1.5 | | | | |
| foam (SPUF) | IN/A | New | N/A | IV/A | 0.75 | 0.75 | | | | |



| TABLE 7: ALLOWABLE SUBSTRATES GACOFLEX S-21 | | | | | | | | | |
|--|---------|-----------------|------------------------------|---|-------------|-------------|--|--|--|
| | | | | | | | | | |
| Metal, galvanized steel | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| steei | | Existing (aged) | | | 0.75 | 0.75 | | | |
| Modified Bitumen, | | New or | GacoFlex A-4271 at 1 gal/sq. | GacoFlex E-5320 Primer at 0.2 gal/sq. | N/A 0.75 | 1.5 0.75 | | | |
| APP | Granule | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | |
| | | | N/A | Gacoriex E-5320 Primer at 0.5 gai/sq. | 0.75 | 0.75 | | | |
| Gr | | | GacoFlex A-4271 | GacoFlex E-5320 Primer at 0.2 gal/sq. | N/A | 1.5 | | | |
| | Granule | New or | at 1 gal/sq. | Gacoriex E-3320 Frimer at 0.2 gal/sq. | 0.75 | 0.75 | | | |
| Modified Bitumen, | Granule | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | |
| SBS | | | 14/7 | Guestiek 2 3320 i iiiilei ut 6.3 gaiy sq. | 0.75 | 0.75 | | | |
| | Sanded | anded New or | I N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A | 1.5 | | | |
| | | Existing (aged) | | 0.714 | 0.75 | 0.75 | | | |
| Single Ply, CSPE | N/A | Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| (Hypalon) | , | 31 8(1811) | | 33,04 | 0.75 | 0.75 | | | |
| Single Ply, EPDM | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| | | Existing (aged) | | 0.1.1 | 0.75 | 0.75 | | | |
| Single Ply, KEE | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| | | Existing (aged) | | | 0.75 | 0.75 | | | |
| Single Ply, PVC | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| | | Existing (aged) | | | 0.75 | 0.75 | | | |
| Single Ply, TPO | N/A | New or | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.5 | | | |
| · · · | 4 | Existing (aged) | | 7 0.714 | 0.75 | 0.75 | | | |
| Spray polyurethane | N/A | New | N/A | N/A | N/A | 1.5 | | | |
| foam (SPUF) | | | | .,,,, | 0.75 | 0.75 | | | |



| | | | | | | EMOJetc |
|----------------------|----------|---|--------|--|-------------|-----------|
| | | | | ABLE SUBSTRATES | | |
| | | | GACOF | LEX S-42 | ı | _ |
| SUBSTRATE (NOTE 5.5) | | TREATMENT | PRIMER | BASE COAT | FINISH COAT | |
| Түре | SURFACE | CONDITION | | | (GAL/SQ.) | (GAL/SQ.) |
| Coating, acrylic | N/A | Existing (aged) | N/A | N/A | N/A | 1.25 |
| | , | zwew.g (agea) | , | .,, | 0.63 | 0.63 |
| Coating, silicone | N/A | Existing (aged) | N/A | N/A | N/A | 1.25 |
| | ., | | , | 1.7. | 0.63 | 0.63 |
| Concrete, structural | N/A | Existing (aged) | N/A | N/A | N/A | 1.25 |
| | , | 3, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, | , | | 0.63 | 0.63 |
| | | | N/A | (Optional) GacoFlex E-5320 Primer at | N/A | 1.25 |
| Metal, aluminum | N/A | New or | , | 0.3 gal/sq. | 0.63 | 0.63 |
| , , , , , , | , | Existing (aged) | N/A | (Optional) GacoPrime LVOC Primer at | N/A | 1.25 |
| | | | , | 0.4-0.5 gal/sq. | 0.63 | 0.63 |
| | | | N/A | (Optional) GacoFlex E-5320 Primer at | N/A | 1.25 |
| Metal, Galvalume® | N/A | New or | , | 0.3 gal/sq. | 0.63 | 0.63 |
| | 1.7 | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | | | | gal/sq. | 0.63 | 0.63 |
| | | | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.25 |
| Metal, galvanized | N/A | New or | 1,4 | Guestiek E 3320 i Timer de 6.3 gar/34. | 0.63 | 0.63 |
| steel | 1.,,,, | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | | | .47. | gal/sq. | 0.63 | 0.63 |
| | | New or Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.25 |
| Metal, PVDF Kynar | N/A | | ,/. | edeer tex 2 de 20 1 miller de die gar, eq. | 0.63 | 0.63 |
| coated | 1.47. | | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | | | | gal/sq. | 0.63 | 0.63 |
| Modified Bitumen, | Granule | New or Existing (aged) | N/A | (Optional) GacoFlex A-4271 at 1 | N/A | 1.25 |
| APP | | | .,, | gal/sq. | 0.63 | 0.63 |
| | Granule | New or Existing (aged) | N/A | (Optional) GacoFlex A-4271 at 1 | N/A | 1.25 |
| Modified Bitumen, | | | 14.1 | gal/sq. | 0.63 | 0.63 |
| SBS | Sanded | New or | N/A | (Optional) GacoFlex A-4271 at 1 | N/A | 1.25 |
| | | Existing (aged) | , | gal/sq. | 0.63 | 0.63 |
| | | | N/A | (Optional) GacoFlex E-5320 Primer at | N/A | 1.25 |
| Single Ply, CSPE | N/A | Existing (aged) | ., | 0.3 gal/sq. | 0.63 | 0.63 |
| (Hypalon) | 1.,,,, | 2/110611118 (4864) | N/A | (Optional) GacoPrime LVOC Primer at | N/A | 1.25 |
| | | | , | 0.4-0.5 gal/sq. | 0.63 | 0.63 |
| | | | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.25 |
| Single Ply, KEE | N/A | New or | 1,411 | and a second sec | 0.63 | 0.63 |
| J | ' | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | | | , | gal/sq. | 0.63 | 0.63 |
| Single Ply, PVC N/A | | | N/A | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A | 1.25 |
| | N/A | New or | | | 0.63 | 0.63 |
| | ' | Existing (aged) | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | | | , | gal/sq. | 0.63 | 0.63 |
| Single Ply, TPO | N/A | New or | N/A | GacoPrime LVOC Primer at 0.4-0.5 | N/A | 1.25 |
| | <u> </u> | Existing (aged) | | gal/sq. | 0.63 | 0.63 |
| Spray polyurethane | N/A | New | N/A | N/A | N/A | 1.25 |
| foam (SPUF) | | - | , | · | 0.63 | 0.63 |



| Table 9: Allowable Substrates Gacoroof GR-16 | | | | | | | | | | |
|---|---------|---------------------------|-----------|---------------------------------------|------------------------|--------------------------|--|--|--|--|
| SUBST TYPE | SURFACE | Condition | TREATMENT | Primer | BASE COAT (GAL/SQ.) | FINISH COAT (GAL/SQ.) | | | | |
| Built-up roof (BUR) | Smooth | New or Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.4 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Coating, acrylic | N/A | Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Metal, galvanized steel | N/A | New or Existing (aged) | GacoWash | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Modified Bitumen, SBS | Granule | New or Existing (aged) | N/A | GacoFlex E-5320 Primer at 0.5 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Single Ply, EPDM | N/A | New or Existing (aged) | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Single Ply, KEE | N/A | New or Existing (aged) | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Single Ply, PVC | N/A | New or Existing (aged) | TSP-PF | GacoFlex E-5320 Primer at 0.3 gal/sq. | N/A 1.0 | 2.0 1.0 | | | | |
| Spray polyurethane foam (SPUF) | N/A | New | N/A | N/A | N/A 1.0 | 2.0 1.0 | | | | |

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.** <u>Rule 61G20-3</u> QA requirements. Refer to <u>Section 4</u> herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

<u>UL, LLC – QUA9625</u>: (360) 817-5512; <u>bsai.inspections@ul.com</u>

- END OF PEER -