



**NEMO|etc.**

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ENGINEER

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**EVALUATION REPORT**

**Henry Company LLC**

999 N. Pacific Coast Highway, Suite 800  
El Segundo, CA 90245  
(440) 695-8485

**Evaluation Report 9020.04.15-R5**

**FL16724-R7**

**Date of Issuance: 04/29/2015**

**Revision 5: 01/18/2021**

**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 products described herein have been evaluated for compliance with the **7<sup>th</sup> Edition (2020) Florida Building Code** sections noted herein.

**DESCRIPTION: Henry Roof Underlayments**

**LABELING:** Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein and FBC 1507.1.1.

**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.

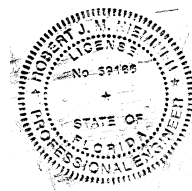
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 5.

**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 01/18/2021. 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 COMPONENT EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Underlayment  
**Compliance Statement:** Henry Roof Underlayments, as produced by Henry Company LLC, have demonstrated compliance with the following sections of the 7<sup>th</sup> 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
1507.1.1, 1507.2.4, 1507.2.9.2 / R905.1.1, R905.2.8.2 / TAS 110	Material standard	ASTM D1970	2015

**3. REFERENCES:**

Entity	Examination	Reference	Date
PRI (TST 5878)	ASTM D1970	HGC-029-02-01	08/30/2004
PRI (TST 5878)	ASTM D1970	HGC-029-02-01	08/30/2004
PRI (TST 5878)	ASTM D1970	HGC-140-02-03	09/07/2011
PRI (TST 5878)	ASTM D1970	HGC-270-02-01	08/25/2016
UL, LLC. (QUA 9625)	Traceability	ML File No. R16814	12/26/2015
UL, LLC. (QUA 9625)	Quality Control	Service Confirmation (ON)	02/14/2018
UL, LLC. (QUA 9625)	Quality Control	Service Confirmation (TX)	01/08/2021
UL, LLC. (QUA 9625)	Quality Control	Florida BCIS	Current

**4. PRODUCT DESCRIPTION:**

	Product	Material Standard	Plant(s)	Description
4.1	Blueskin® RF 200	ASTM D1970	Petrolia, ON, Canada	nominal 40-mil thick, film-surfaced, self-adhering SBS modified bitumen roof underlayment
4.2	Blueskin® PE 200 HT	ASTM D1970	Petrolia, ON, Canada	nominal 40-mil thick, film-surfaced, self-adhering, high-softening-point SBS modified bitumen roof underlayment
4.3	Eaveguard®	ASTM D1970	Garland, TX & Petrolia, ON, Canada	nominal 45-mil thick, sand-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment
4.4	TRI-BUILT™ Sand Surface Self-Adhered Underlayment	ASTM D1970	Garland, TX & Petrolia, ON, Canada	nominal 45-mil thick, sand-surfaced, fiberglass-reinforced, self-adhering SBS modified bitumen roof underlayment

**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 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 **Henry Roof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this evaluation combined with supporting data for the prepared roof covering.

**5.3 Non-HVHZ Jurisdictions:**

5.3.1 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.

5.3.2 Allowable Roof Covers:

TABLE 1: ROOF COVER OPTIONS (FBC NON-HVHZ JURISDICTIONS)						
FBC Section:	1507.2	1507.3		1507.4 & 1507.5	1507.7	1507.8 & 1507.9
Underlayment	Asphalt Shingles	Clay and Concrete Tile		Metal Panels or Shingles	Slate or Slate-Type Shingles	Wood Shingles or Shakes
		Mech. Attach	Adhesive-Set			
Blueskin® RF 200	YES	NO	NO	YES*	YES	YES (joint strips, 1507.1.1.3 / R905.1.1.3)
<i>Note: *Contact Henry Company for metal roofing exclusions for Blueskin® RF 200.</i>						
Blueskin® PE 200 HT	YES	NO	NO	YES	YES	YES (joint strips, 1507.1.1.3 / R905.1.1.3)
Eaveguard®	YES	NO	NO	NO	NO	NO
TRI-BUILT™ Sand Surface Self-Adhered Underlayment	YES	NO	NO	NO	NO	NO

5.3.3 Allowable Substrates:

TABLE 2: SUBSTRATE OPTIONS (FBC NON-HVHZ JURISDICTIONS)	
Underlayment	Substrates
Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment	Plywood ASTM D226, Type II felt

5.3.4 Attachment Limitations:

For use under mechanically attached NON-TILE prepared roof coverings, attachment shall be in accordance with the manufacturer’s installation instructions, but – for mechanically attached underlayments or base sheets - not less than **FBC 1507.1.1** or **R905.1.1**.

5.3.5 Exposure Limitations:

TABLE 3: EXPOSURE LIMITATIONS (FBC NON-HVHZ JURISDICTIONS)		
Underlayment	Prepared Roof Cover Installation Type	Maximum Exposure (days)
Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment	Mechanically attached	30

#### 5.4 HVHZ Jurisdictions:

5.4.1 This Evaluation Report does not include evaluation of fire classification. Refer to **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.

#### 5.4.2 Allowable Roof Covers:

TABLE 4: ROOF COVER OPTIONS (FBC HVHZ JURISDICTIONS)						
FBC HVHZ Section:	TAS 110(S10), RAS 115	TAS 110(S11), RAS 118, 119 & 120		RAS 133	TAS 110(S11)	RAS 130
Underlayment	Asphalt Shingles	Clay and Concrete Tile		Metal Panels or Shingles	Slate or Slate-Type Shingles	Wood Shingles or Shakes
		Mech. Attach	Adhesive-Set			
Blueskin® RF 200	YES	NO	NO	YES*	YES	YES
<i>Note: *Contact Henry Company for metal roofing exclusions for Blueskin® RF 200.</i>						
Blueskin® PE 200 HT	YES	NO	NO	YES	YES	YES
Eaveguard®	YES	NO	NO	NO	NO	NO
TRI-BUILT™ Sand Surface Self-Adhered Underlayment	YES	NO	NO	NO	NO	NO

#### 5.4.3 Allowable Substrates:

TABLE 5: SUBSTRATE OPTIONS (FBC HVHZ JURISDICTIONS)	
Underlayment	Substrates
Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment	ASTM D226, Type II felt

#### 5.4.4 Attachment Limitations:

See Section 6.2.2

#### 5.4.5 Exposure Limitations:

TABLE 6: EXPOSURE LIMITATIONS (FBC HVHZ JURISDICTIONS)		
Underlayment	Prepared Roof Cover Installation Type	Maximum Exposure (days)
Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment	Mechanically attached	30

## 6. INSTALLATION:

### 6.1 General:

6.1.1 **Henry Roof Underlayments** shall be installed in accordance with Henry Company published installation instructions subject to the Limitations set forth in Section 5 herein and the specifics noted below.

6.1.2 Re-fasten any loose decking panels and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application and prime the substrate (if applicable).

### 6.2 Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment:

#### 6.2.1 Non-HVHZ Jurisdictions:

Shall be installed in compliance with requirements for an approved self-adhering underlayment (ASTM D1970) in **FBC 1507.1.1.1** or **1507.1.1.3** or **FBC Residential R905.1.1.1** or **R905.1.1.3** for the type of prepared roof covering to be installed, and the manufacturer's installation instructions.

When installed over a mechanically attached, FBC Approved ASTM D226 Type II felt, the felt shall be fastened in accordance with **FBC 1507.1.1** or **R905.1.1**.

#### 6.2.2 HVHZ Jurisdictions:

##### Approved Assemblies:

Deck Type 1:	Wood, non-insulated
Deck Description:	Min. 19/32-inch plywood or wood plank
System Type E:	Base sheet mechanically fastened to deck; underlayment adhered
Base Sheet:	One or more plies of ASTM D226, Type II felt with min. 4-inch side laps and min. 6-inch end laps.
Fastening:	FBC HVHZ Approved nails and tin caps (FBC HVHZ 1517.5), 6" o.c. at the laps and 12" o.c. at two (2) equally spaced, staggered center rows.
Cap Ply:	<b>Blueskin® RF 200, Blueskin® PE 200 HT, Eaveguard® or TRI-BUILT™ Sand Surface Self-Adhered Underlayment</b> , self-adhered in accordance with published instructions and back-nailed (if applicable) in accordance with applicable Roofing Application Standard.
Surfacing:	FBC HVHZ Approved prepared roof assembly, per Table 4.

#### 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@ul.com](mailto:Karen.buchmann@ul.com)

- END OF EVALUATION REPORT -