



NEMO|etc.

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ENGINEER

EVALUATE

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

IB Roof Systems

506 E. Dallas Road, Suite 300
Grapevine, TX 76051
(800) 426-1626

PEER-IBR-001.A.R2

FL33003-R2

Date of Issuance: 2020-08-11

Revision 2: 2023-10-03

SCOPE:

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. 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 **8th Edition (2023) Florida Building Code** [sections referenced herein](#).

DESCRIPTION: IB 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 PEER s 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.

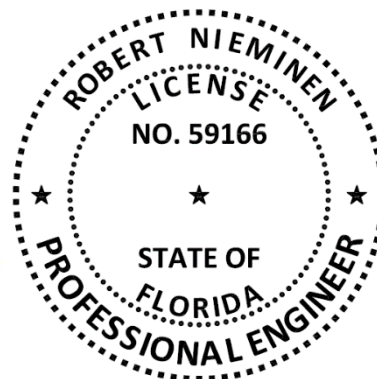
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4.

Prepared by:

Digitally signed
by Robert
Nieminen
Date: 2023.10.03
'12:51:35 -04'00

This item has been digitally signed and sealed by
Robert Nieminen, P.E.
Printed copies of this document are not
considered signed and sealed, and the signature
must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



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 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
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: IB Roof Coatings, as produced by IB Roof Systems, 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	YEAR
1507.10.2, 1507.14.3, 1509.2, R905.9.2, R905.11.2, R905.14.3, 1523.6.2.1.1, 1523.6.5.2.12.2, TAS 110	Material standard	ASTM D6083	2021
1507.14.3, 1509.2, R905.14.3, R905.15.2, TAS 110	Material standard	ASTM D6694	2013
1523.6.2.1.1	Wind driven rain	TTC-555B	1973

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
PRI (TST5878)	ASTM D6083 / TTC-555B	EVST-001-02-01	2015-06-01
PRI (TST5878)	ASTM D6083 / TTC-555B	EVST-002-02-01	2015-06-01
PRI (TST5878)	ASTM D6083	EVST-003-02-01	2019-07-12
PRI (TST5878)	ASTM D6694 (adhesion)	1746T0003	2020-08-18
PRI (TST5878)	ASTM D6694	1746T0009	2021-06-17
UL, LLC (QUA 9625)	Quality Control	Service Confirmation	2020-07-31
UL, LLC (QUA 9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

The following IB 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 material standard for the product.

COATINGS				
PRODUCT	MATERIAL STANDARD	PLANT(s)	CONTAINER	APPROVED USE
IB Acrylic HT Coating	ASTM D6083	Houston, TX	5 gal. pails; 55 gal. drums 275 gal. tote	Water-based, acrylic elastomeric roof coating
IB Acrylic Pro Coating	ASTM D6083	Houston, TX	5 gal. pails; 55 gal. drums 275 gal. tote	Water-based, acrylic elastomeric roof coating
IB Bleed Block	ASTM D6083	Houston, TX	5 gal. pails; 55 gal. drums 275 gal. tote	Water-based, acrylic elastomeric roof coating
IB Silicone Coating	ASTM D6694	Houston, TX	5 gal. pails; 55 gal. drums	Silicone roof coating

REINFORCEMENTS				
PRODUCT	MATERIAL STANDARD	PLANT(S)	CONTAINER	APPROVED USE
IB Fabric	N/A	Spartanburg, SC	4, 6, 12 & 40-in x 324 ft rolls	3 oz/yd ² stitch bond polyester reinforcing fabric for use with IB Roof Coatings

SUBSTRATE TREATMENTS & PRIMERS				
PRODUCT	MATERIAL STANDARD	PLANT(S)	CONTAINER	APPROVED USE
IB Roof Cleaner Concentrate	N/A	Houston, TX	5 gal. pails; 55 gal. drums	Cleaner for use over roof substrates prior to application of treatments, primers or coatings
IB EPDM Cleaner	N/A	Houston, TX	5 gal. pails; 55 gal. drums	Water-based wash-primer for use over EPDM substrates
IB Rust Primer	N/A	Houston, TX	5 gal. pails; 55 gal. drums	Water-based, rust inhibiting, low VOC primer for use over metal substrates
IB TP Primer	N/A	Houston, TX	5 gal. pails; 55 gal. drums 275 gal. tote	Water-based, acrylic primer for use over thermoplastic membranes.

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 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 **IB 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 All products listed herein shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3** requirements.

6. INSTALLATION:

- 6.1 **IB Roof Coatings** shall be installed in accordance with **IB Roof Systems** published installation instructions, subject to the Approved Use in [Section 4](#) and [Limitations of Use](#) herein.
- 6.2 Allowable Substrates:

TABLE 1: ALLOWABLE SUBSTRATES, ACRYLIC COATINGS						
SUBSTRATE*	TREATMENT	PRIMER	BASE COAT	MID COAT	REINFORCEMENT	FINISH COAT
Galvanized steel	(optional) IB Roof Cleaner Concentrate at 1 gal/150 ft ²	(optional) IB Rust Primer at 0.5 gal/sq.	IB Acrylic HT at 1.0-1.75 gal/sq.	None	None	IB Acrylic HT at 1.0-1.75 gal/sq.
			IB Acrylic Pro at 1.0-1.75 gal/sq.	None	None	IB Acrylic Pro at 1.0-1.75 gal/sq.
			IB Bleed Block at 1.0-1.75 gal/sq.	None	None	IB Acrylic HT, IB Acrylic Pro or IB Bleed Block at 1.0-1.75 gal/sq.

TABLE 1: ALLOWABLE SUBSTRATES, ACRYLIC COATINGS

SUBSTRATE*	TREATMENT	PRIMER	BASE COAT	MID COAT	REINFORCEMENT	FINISH COAT
Modified bitumen, SBS, granule-surfaced	(optional) IB Roof Cleaner Concentrate at 1 gal/150 ft ²	None	IB Bleed Block at 1.25-2.0 gal/sq.	None	(optional) IB Fabric	IB Acrylic HT, IB Acrylic Pro or IB Bleed Block at 1.0-1.75 gal/sq.
Single ply, EPDM	IB EPDM Cleaner at 1 gal/400 ft ²	None	IB Acrylic HT at 1.0-1.75 gal/sq.	None	(optional) IB Fabric	IB Acrylic HT at 1.0-1.75 gal/sq.
			IB Acrylic Pro at 1.0-1.75 gal/sq.	None	(optional) IB Fabric	IB Acrylic Pro at 1.0-1.75 gal/sq.
Single ply, PVC	(optional) IB Roof Cleaner Concentrate at 1 gal/150 ft ²	IB TP Primer at 0.5 to 1.0 gal/sq.	IB Acrylic HT at 1.0-1.75 gal/sq.	None	(optional) IB Fabric	IB Acrylic HT at 1.0-1.75 gal/sq.
			IB Acrylic Pro at 1.0-1.75 gal/sq.	None	(optional) IB Fabric	IB Acrylic Pro at 1.0-1.75 gal/sq.
Spray polyurethane foam (SPUF)	None	None	IB Acrylic HT at 1.0-1.5 gal/sq.	IB Acrylic HT at 1.0-1.5 gal/sq.	None	IB Acrylic HT at 1.0-1.5 gal/sq.
			IB Acrylic Pro at 1.0-1.5 gal/sq.	IB Acrylic Pro at 1.0-1.5 gal/sq.	None	IB Acrylic Pro at 1.0-1.5 gal/sq.

*Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.

TABLE 2: ALLOWABLE SUBSTRATES, SILICONE COATINGS

SUBSTRATE*	TREATMENT	PRIMER	BASE COAT	FINISH COAT
Aluminum	None	IB Rust Primer at 0.5 gal/sq.	(Optional) IB Acrylic Pro at 1.5 gal/sq.	IB Silicone Coating at 1.5-2.5 gal/sq.
Galvanized steel	None	None	None	IB Silicone Coating at 1.5-2.5 gal/sq.
Single Ply, EPDM, existing	None	None	None	IB Silicone Coating at 1.5-2.5 gal/sq.
Single Ply, PVC, existing	None	None	None	IB Silicone Coating at 1.5-2.5 gal/sq.
Single Ply, TPO, existing	None	None	(Optional) IB Bleed Block at 1.0 gal/sq.	IB Silicone Coating at 1.5-2.5 gal/sq.
Spray polyurethane foam (SPUF)	None	None	None	IB Silicone Coating at 1.5-2.5 gal/sq.

*Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.

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](#); (360) 817-5512; bsai.inspections@ul.com

- END OF PEER -