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

ENGINEER TEST CONSULT

2026-08-08

RE: Affirmation of FPA FL47046-R2 to the 9th Edition Florida Building Code

To Whom It May Concern:

This letter serves to document that we have reviewed Florida Product Approval File No. **FL47046-R2**, and the P.E. Evaluation Report (PEER) which forms the basis thereof, with respect to the **9th Edition Florida Building Code** sections set forth in Section 2 of our PEER.

There are no changes to the Code that affect the PEER, and we have authorized the applicant to document compliance with the **9th Edition Florida Building Code** through the **Affirmation Process**.

Please contact our office with any questions.

Prepared by:

Logan Vidal, EIT
Codes & Research Specialist

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

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.

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

ENGINEER **TEST** **CONSULT**

P.E. EVALUATION REPORT (PEER)

Amrize Building Envelope LLC (Duro-Last)
525 Morley Drive
Saginaw, MI 48601
(800) 248-0280

PEER-DL-001.A.R1
FL47046-R1
Date of Issuance: 10/22/2024
Revision 1: 08/15/2025

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 compliance with the **8th Edition (2023) Florida Building Code** sections noted herein.

DESCRIPTION: Duro-Shield® Roof Coatings

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

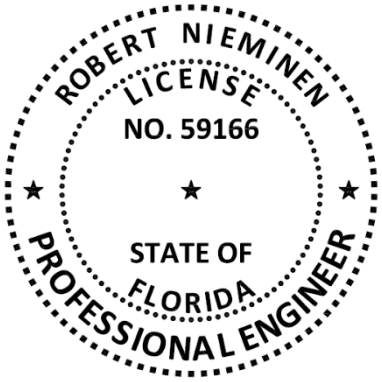
CONTINUED COMPLIANCE: This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO 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: "NEMO P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be 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 7.

Prepared by:



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.

©2019, NEMO ETC, LLC

2025 FBC

ROOFING COMPONENT EVALUATION:

1. SCOPE:

Product Category: Roofing
Sub-Category: Cements – Adhesives - Coatings
Compliance Statement: **Duro-Shield® Roof Coatings**, as produced by **Amrize Building Envelope LLC (Duro-Last)**, 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, R905.11.2, R905.14.3, 1523.6.2.1.1, 1523.6.5.2.12.2, TAS 110	Material standard	ASTM D6083
1507.14.3, 1509.2, R905.14.3, R905.15.2, TAS 110	Material standard	ASTM D6694
1523.6.2.1.1	Wind driven rain	TTC-555B

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO	PEER	PEER-HSP-001.A.R4	08/15/2025
NEMO	Cross-Listing	FBC PCL	08/30/2024
UL, LLC (QUA 9625)	Quality Control	Service Confirmation	11/12/2024

4. PRODUCT DESCRIPTION:

The following Duro-Shield® 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	Material Standard	Plant(s)	Approved Use
Duro-Shield Acrylic Roof Coating	ASTM D6083, Type I	Waukesha, WI	water-borne, single component elastomeric roof coating
Duro-Shield Urethane Base Coat	ASTM D6083, Type I	Waukesha, WI	single-component moisture cure polyurethane roof coating
Duro-Shield® Silicone Roof Coating	ASTM D6694	Waukesha, WI	solvent-free, single-component waterproof elastomeric moisture-curing silicone roof coating

TABLE 1B: SUBSTRATE TREATMENTS & PRIMERS

Product	Material Standard	Plant(s)	Approved Use
Duro-Shield Universal 2-Part Epoxy Primer	N/A	Waukesha, WI	two-component water-based epoxy primer/filler
Duro-Shield Bleed Block Primer	N/A	Waukesha, WI	single-component, water-based sealer for use on roofing substrates containing bitumen
Duro-Shield Multi-Purpose LVOC Primer	N/A	South Bend, IN	Solvent-based primer
Duro-Shield Wash	N/A	Waukesha, WI	concentrated cleaning solution for roofing membranes, metal panels and existing waterproofing systems

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 **Duro-Shield® 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:

6.1 **Duro-Shield® Roof Coatings** shall be installed in accordance with **Amrize Building Envelope LLC (Duro-Last)** installation instructions, subject to the Approved Use in Section 4 and Limitations of Use herein.

6.2 **Allowable Substrates:**

TABLE 2: ALLOWABLE SUBSTRATES
DURO-SHIELD ACRYLIC ROOF COATING

SUBSTRATE (NOTE 5.5)			TREATMENT	PRIMER	BASE COAT (GAL/SQ.)	FINISH COAT (GAL/SQ.)
TYPE	SURFACE	CONDITION				
Built-up roof (BUR)	Gravel	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy 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 Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Metal, Galvalume®	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Metal, galvanized steel	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5

TABLE 2: ALLOWABLE SUBSTRATES DURO-SHIELD ACRYLIC ROOF COATING						
SUBSTRATE (NOTE 5.5)			TREATMENT	PRIMER	BASE COAT (GAL/SQ.)	FINISH COAT (GAL/SQ.)
TYPE	SURFACE	CONDITION				
Metal, PVDF Kynar coated	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Modified Bitumen, APP	Granule	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
Modified Bitumen, SBS	Granule	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
	Sanded	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
Single Ply, CSPE (Hypalon)	N/A	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Single Ply, EPDM	N/A	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Single Ply, KEE	N/A	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
Single Ply, PVC	N/A	Existing (aged)	N/A	(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	1.5	1.5
Single Ply, TPO	N/A	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	1.5	1.5
				Duro-Shield Multi-Purpose 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

2025 FBC

TABLE 3: ALLOWABLE SUBSTRATES DURO-SHIELD URETHANE BASE COAT					
SUBSTRATE (NOTE 5.5)			TREATMENT	PRIMER	APPLICATION
TYPE	SURFACE	CONDITION			
Built-up roof (BUR)	Gravel	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.2 gal/sq.	Three (3) or four (4) coats at 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
Metal, aluminum	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Metal, Galvalume®	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Metal, galvanized steel	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Metal, PVDF Kynar coated	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Modified Bitumen, APP	Granule	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
	Sanded	Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Modified Bitumen, SBS	Granule	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
	Sanded	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Single Ply, CSPE (Hypalon)	N/A	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
Single Ply, KEE	N/A	New or Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	Three (3) or four (4) coats at 1.5 gal/sq. per coat
				Duro-Shield Multi-Purpose 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	Duro-Shield Universal 2-Part Epoxy 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	Duro-Shield Multi-Purpose 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

2026 FBC

TABLE 4: ALLOWABLE SUBSTRATES DURO-SHIELD SILICONE ROOF COATING						
SUBSTRATE (NOTE 5.5)			TREATMENT	PRIMER	BASE COAT (GAL/SQ.)	FINISH COAT (GAL/SQ.)
TYPE	SURFACE	CONDITION				
Coating, acrylic	N/A	Existing (aged)	N/A	N/A	N/A	1.25
					0.63	0.63
Coating, silicone	N/A	Existing (aged)	N/A	N/A	N/A	1.25
					0.63	0.63
Concrete, structural	N/A	Existing (aged)	N/A	N/A	N/A	1.25
					0.63	0.63
Metal, aluminum	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Metal, Galvalume®	N/A	New or Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Metal, galvanized steel	N/A	New or Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Metal, PVDF Kynar coated	N/A	New or Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Modified Bitumen, APP	Granule	New or Existing (aged)	N/A	(Optional) Duro-Shield Bleed Block Primer at 1 gal/sq.	N/A	1.25
					0.63	0.63
Modified Bitumen, SBS	Granule	New or Existing (aged)	N/A	(Optional) Duro-Shield Bleed Block Primer at 1 gal/sq.	N/A	1.25
					0.63	0.63
	Sanded	New or Existing (aged)	N/A	(Optional) Duro-Shield Bleed Block Primer at 1 gal/sq.	N/A	1.25
					0.63	0.63
Single Ply, CSPE (Hypalon)	N/A	Existing (aged)	N/A	(Optional) Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	(Optional) Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Single Ply, KEE	N/A	New or Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Single Ply, PVC	N/A	New or Existing (aged)	N/A	Duro-Shield Universal 2-Part Epoxy Primer at 0.3 gal/sq.	N/A	1.25
					0.63	0.63
			N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Single Ply, TPO	N/A	New or Existing (aged)	N/A	Duro-Shield Multi-Purpose LVOC Primer at 0.4-0.5 gal/sq.	N/A	1.25
					0.63	0.63
Spray polyurethane foam (SPUF)	N/A	New	N/A	N/A	N/A	1.25
					0.63	0.63

2023 FBC

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 -

2023 FBC