



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)

Tremco CPG, Inc.

3735 Green Road
Beachwood, OH 44122
(800) 562-2728

PEER-TRM-001.C.R0

FL47724

Revision 0: 08/21/2025

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: Vulkem® AT Fluid Applied 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 documentation changes, or provisions of the Code that relate to the product change. Acceptance of this PEER by the named client constitutes agreement to notify Robert Nieminen, P.E. of any changes to the product(s), the Quality Assurance, or the production facility location(s). NEMO ETC, LLC requires a complete review of this 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.

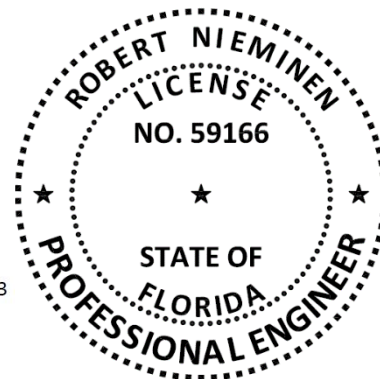
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4.

Prepared by:

Digitally signed by
Robert Nieminen
Date: 2025.08.21
'09:29:57 -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.

©2019, NEMO ETC, LLC

ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Cements – Adhesives – Coatings
Product Approval Method: Method 2, Option B – Non-Codified Material, Evaluation by Engineer
Compliance Statement: **Vulkem® AT Fluid Applied Roof Coatings**, as produced by **Tremco CPG, Inc.**, have demonstrated compliance with the intent of 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
104.11	Alternative materials	
1504.6	Accelerated weathering	ASTM G154
1509.2, 1523.1.1, 1523.6.5.2.12	Physical properties	Various

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO	PEER	PEER-TRM-001.A.R9	08/20/2025
NEMO	Traceability	SPE	07/21/2025
NEMO	Traceability	SPE	08/21/2025
UL, LLC (QUA9625)	Quality Control	Service Confirmation (OH)	10/20/2020
UL, LLC (QUA9625)	Quality Control	Florida BCIS	10/03/2026

4. PRODUCT DESCRIPTION:

TABLE 1A: EVALUATED MAINTENANCE COATINGS & ACCESSORIES			
PRODUCT	MATERIAL STANDARD	DESCRIPTION / APPROVED USE	MANUFACTURING
COATINGS:			
Vulkem® AT Base Coat	Miami-Dade PRF 20-0167	Base coat in Vulkem AT Fluid Applied Roof Coating	Cleveland, OH
Vulkem® AT Top Coat	See Section 4.1.1	Top coat in Vulkem AT Fluid Applied Roof Coating	
REINFORCEMENTS:			
PERMAFAB Mat	N/A	Reinforcement for use with Vulkem AT Fluid Applied Roof Coating	Spartanburg, SC
PRIMERS: Refer to Section 6 for allowable substrates			
Tremco® Epoxy Primer	N/A	Substrate primer	Kirkland, IL
TREMprime® Non-Porous Primer	N/A	Substrate primer	Saegertown, PA
Vulkem® 191 Primer	N/A	Substrate primer	Cleveland, OH
Tremco Primer/Splice Wash	N/A	Substrate primer	Chagrin Falls, OH

- 4.1.1 **Vulkem® AT Fluid Applied Roof Coating**, comprised of field-applied base coat, optional fabric and top coat, does not have a codified material standard, but meets the intent of the Code-sections set forth in [Section 2](#). The physical properties data below is offered as a point-of-reference for use by the Authority Having Jurisdiction at their discretion.

TABLE 1A: TYPICAL NOMINAL PROPERTIES AT ~90-MIL THICKNESS VULKEM AT FLUID APPLIED COATING (REINFORCED, CONTROL CONDITION)			
PROPERTY		TEST STANDARD	REINFORCEMENT
			PERMAFAB MAT
Peak load at 73°F (lbf/in.)	MD	ASTM D5147	73
	XMD		54
Elongation at Peak Load at 73°F (%)	MD		28
	XMD		20
Tear strength (lbf)	MD		79
	XMD		67
Dimensional stability (%)	MD		1
	XMD		
Low Temp. Flexibility, °F	MD		Pass -40
	XMD		
Fungi Resistance		ASTM G21	0 rating (Top Coat only)

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 **Vulkem® AT Fluid Applied 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.
- 5.4.1 Existing roofs shall be examined for compliance with **FBC 1511** or **FBC HVHZ 1521** to the satisfaction of the Authority Having Jurisdiction
- 5.4.2 Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 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 **Vulkem® AT Fluid Applied Roof Coatings** shall be applied in strict accordance with [Tremco CPG, Inc.](#) published installation instructions, subject to the Approved Use in [Section 4](#) and [Limitations of Use](#) herein.

6.1.1 Primers, foundation coat(s), fabric (when installed) and finish coat(s) shall be in accordance with Tremco wet-mil and dry-mil thickness requirements.

6.2 Allowable Substrates:

TABLE 2: ALLOWABLE SUBSTRATES FOR VULKEM® AT FLUID APPLIED ROOF COATING							
SUBSTRATE			PRIMER	FOUNDATION COAT(s)	FABRIC	FINISH COAT(s)	SURFACING
TYPE	SURFACE	CONDITION					
Built-up roof (BUR)	Granule	New or Existing (aged)	Vulkem 191 Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
	Smooth	New or Existing (aged)	(Optional) Vulkem 191 Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Metal, galvanized steel	N/A	New or Existing (aged)	TREMprime Non-Porous Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Modified bitumen, APP	Granule	New or Existing (aged)	None	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Modified bitumen, SBS	Granule	New or Existing (aged)	Vulkem 191 Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
	Smooth	New or Existing (aged)	Vulkem 191 Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Single Ply, EPDM	N/A	Existing (aged)	Tremco Primer/Slice Wash	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Single Ply, PVC	N/A	Existing (aged)	Vulkem 191 Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Structural Concrete	N/A	New or Existing (aged)	Tremco Epoxy Primer	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat
Wood	N/A	New or Existing (aged)	None	Vulkem AT Base Coat	PERMAFAB Mat, wet-laid	Vulkem AT Top Coat	(Optional) Non-Skid Coat

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 \(QUA9625\)](#): (360) 817-5512; bsai.inspections@ul.com

- END OF PEER -