NEMO|etc.
Certificate of Authorization #32455
353 Christian Street, Unit #13
Oxford, CT 06478
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ENGINEER **TEST** **CONSULT**

P.E. EVALUATION REPORT (PEER)

GAF
1 Campus Drive
Parsippany, NJ 07054
(800) 766-3411

PEER-GAF-004.B.R13
FL17649-R13
Date of Issuance: 12/16/2015
Revision 13: 10/17/2024

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 noted herein.

DESCRIPTION: GAF Silicone 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.

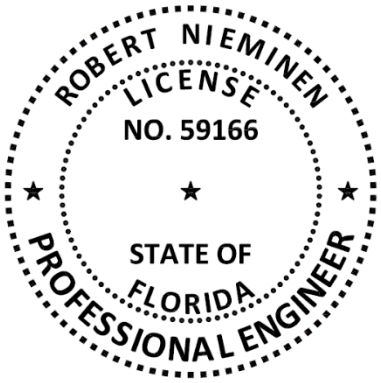
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 5.

Prepared by:

Digitally signed by Robert Nieminen
Date: 2024.10.17 '08:47:08 -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: GAF Silicone Roof Coatings, as outlined herein and produced by **GAF**, have demonstrated compliance with the **8th Edition (2023) Florida Building Code, including High Velocity Hurricane Zones (HVHZ),** through testing in accordance with the Standards set forth herein. Compliance is subject to the Limitations of Use and Installation Requirements set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
1507.14.3, 1509.2, R905.14.3, R905.15.2, TAS 110	Material standard	ASTM D6694

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
NEMO (TST6049)	ASTM D6694	4p-GAF-21-SSLAP-01.A	07/13/22
PRI (TST5878)	ASTM D6694	RMLC-049-02-01	05/06/15
PRI (TST5878)	ASTM D6694, adhesion	PRMA-009-02-01	08/15/18
PRI (TST5878)	ASTM D6694, adhesion	PRMA-011-02-01	08/15/18
PRI (TST5878)	ASTM D6694, adhesion	GAF-893-02-01	01/29/19
PRI (TST5878)	ASTM D6694, adhesion	GAF-893-02-02	01/29/19
PRI (TST5878)	ASTM D6694, adhesion	743T0001	09/10/19
PRI (TST5878)	ASTM D6694	376T0196	04/18/22
PRI (TST5878)	ASTM D6694, D6904	1582T0018	05/01/23
PRI (TST5878)	ASTM D6694, D6904	1582T0017	06/27/23
PRI (TST5878)	ASTM D6694	376T0425.1	04/02/24
PRI (TST5878)	ASTM D6694, adhesion	376T0425.2	04/02/24
NEMO	Traceability	Cross-Listing	09/01/21
UL LLC (QUA9625)	Traceability	MLA	01/14/21
UL LLC (QUA9625)	Quality Assurance	Service Confirmation	07/12/22

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED COATINGS

PRODUCT	MATERIAL STANDARD	USE	PLANT(S)
GAF Unisil Silicone Roof Coating	ASTM D6694	Restorative Membrane	Alsip, IL
GAF Unisil High Solids Silicone Roof Coating	ASTM D6694	Restorative Membrane	
GAF High Solids Silicone Roof Coating	ASTM D6694	Restorative Membrane	Somerset, PA
United Coatings™ Unisil II Silicone Roof Coating	ASTM D6694	Restorative Membrane	New Albany, IN
United Coatings™ Unisil HS II High Solids Roof Coating	ASTM D6694	Restorative Membrane	
GAF High Solids Silicone Roof Coating – C	ASTM D6694	Restorative Membrane	Avon, OH

NOT PRINTED

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 unless retained specifically for that purpose. 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 **GAF Silicone 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 **GAF Silicone Roof Coatings** shall be installed in accordance with **GAF** published installation instructions, subject to the Approved Use in Section 4 and Limitations of Use herein.

6.1.1 Foundation coat(s), reinforcing fabric (when installed) and/or finish coat(s) shall be in accordance with GAF wet-mil and dry-mil thickness requirements.

6.2 Allowable Substrates:

TABLE 1: ALLOWABLE SUBSTRATES FOR ALSIP, IL PRODUCTION

SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Modified Bitumen, APP	Granule	New or Existing (aged)	(Optional) GAF PVC Primer for Silicone	GAF Unisil High Solids Silicone Roof Coating
Modified Bitumen, SBS	Granule	New or Existing (aged)	(Optional) GAF PVC Primer for Silicone	GAF Unisil High Solids Silicone Roof Coating
Single Ply, EPDM	N/A	New or Existing (aged)	None	GAF Unisil High Solids Silicone Roof Coating
Single Ply, TPO	N/A	New or Existing (aged)	GAF TPO Primer for Silicone	GAF Unisil High Solids Silicone Roof Coating
Spray Applied Polyurethane Foam	N/A	New	None	GAF Unisil Silicone Roof Coating
				GAF Unisil High Solids Silicone Roof Coating
Structural Concrete	N/A	New or Existing (aged)	None	GAF Unisil Silicone Roof Coating
				GAF Unisil High Solids Silicone Roof Coating

TABLE 2: ALLOWABLE SUBSTRATES FOR SOMERSET, PA PRODUCTION				
SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Galvanized Metal	N/A	Existing (aged)	None	GAF High Solids Silicone Roof Coating

TABLE 3: ALLOWABLE SUBSTRATES FOR NEW ALBANY, IN PRODUCTION				
SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Built-up roof (BUR)	Granule	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Built-up roof (BUR)	Smooth	New	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
Flood coat of hot asphalt	N/A	New	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Galvanized Metal	N/A	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Modified Bitumen, APP	Granule	New or Existing (aged)	(Optional) Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Modified Bitumen, APP	Smooth	Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Modified Bitumen, SBS	Granule	New or Existing (aged)	(Optional) Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Modified Bitumen, SBS	Smooth	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Single Ply, EPDM	N/A	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
			(Optional) Unisil A/B Primer	United Coatings™ Unisil HS II High Solids Roof Coating
Single Ply, PVC	N/A	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Single Ply, TPO	N/A	Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Spray Applied Polyurethane Foam	N/A	New	None	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating
Structural Concrete	N/A	New or Existing (aged)	Unisil A/B Primer	United Coatings™ Unisil II Silicone Roof Coating
				United Coatings™ Unisil HS II High Solids Roof Coating

TABLE 5: ALLOWABLE SUBSTRATES FOR AVON, OH PRODUCTION				
SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Built-up roof (BUR)	Granule	New or Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Galvanized Metal	N/A	New or Existing (aged)	None	GAF High Solids Silicone Roof Coating - C
Modified Bitumen, APP	Granule	New or Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Modified Bitumen, APP	Smooth	New or Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Modified Bitumen, SBS	Granule	New or Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Modified Bitumen, SBS	Smooth	New or Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Single Ply, TPO	N/A	Existing (aged)	GAF Multi-Purpose Primer	GAF High Solids Silicone Roof Coating - C
Spray Applied Polyurethane Foam	N/A	New	None	GAF High Solids Silicone Roof Coating - C

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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