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Product Approval
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FL #	FL17649-R6
Application Type	Revision
Code Version	2020
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parispany, NJ 07054 (800) 766-3411 mstieh@gaf.com
Authorized Signature	Robert Nieminen Ireith@nemoetc.com
Technical Representative	William Broussard
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (800) 766-3411 TechnicalQuestionsGAF@gaf.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Roofing
Subcategory	Cements-Adhesives-Coatings
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received
Florida Engineer or Architect Name who developed the Evaluation Report	Robert Nieminen
Florida License	PE-59166
Quality Assurance Entity	UL LLC
Quality Assurance Contract Expiration Date	12/17/2021
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	FL17649_R6_COI_2020_01_COI_NIEMINEN.pdf
Referenced Standard and Year (of Standard)	Standard ASTM D6694
	Year 2013
Equivalence of Product Standards Certified By	
Sections from the Code	

Product Approval Method	Method 1 Option D
Date Submitted	10/12/2020
Date Validated	10/13/2020
Date Pending FBC Approval	10/22/2020
Date Approved	12/15/2020

Summary of Products

FL #	Model, Number or Name	Description
17649.1	GAF Silicone Roof Coatings	Silicone roof coatings
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Refer to ER Section 5 for Limits of Use.		Installation Instructions FL17649_R6_II_2019_09_25_FINAL_ER_GAF_C-A-C_SILICONE_FL17649-R6.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL17649_R6_AE_2019_09_25_FINAL_ER_GAF_C-A-C_SILICONE_FL17649-R6.pdf Created by Independent Third Party: Yes

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NEMO|etc.

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

ENGINEER

EVALUATE

TEST

CONSULT

EVALUATION REPORT

GAF

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

Evaluation Report 8575.12.15-R6

FL17649-R6

Date of Issuance: 12/16/2015

Revision 6: 09/25/2020

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 product described herein has been evaluated for compliance with the **7th Edition (2020) 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 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 4.

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 09/25/2020. 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: Cements – Adhesives - Coatings
Compliance Statement: **GAF Silicone Roof Coatings**, as outlined herein and produced by **GAF**, have demonstrated compliance with the **7th Edition (2020) Florida Building Code** through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1507.14.3, 1507.15.2, R905.14.3, R905.15.2	Material standard	ASTM D6694	2013

3. REFERENCES:

Entity	Examination	Reference	Date
Miami-Dade (CER1592)	HVHZ compliance	18-1105.03	01/17/2019
PRI (TST5878)	ASTM D6694	PRMA-001-02-01	06/14/2013
PRI (TST5878)	ASTM D6694	PRMA-002-02-01	06/14/2013
PRI (TST5878)	ASTM D6694, adhesion	PRMA-009-02-01	08/15/2018
PRI (TST5878)	ASTM D6694, adhesion	PRMA-011-02-01	08/15/2018
PRI (TST5878)	ASTM D6694, adhesion	GAF-893-02-01	01/29/2019
PRI (TST5878)	ASTM D6694, adhesion	GAF-893-02-02	01/29/2019
UL LLC (QUA9625)	Quality Assurance	Service Confirmation	05/21/2019

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED COATINGS				
Brand	Product	Material Standard	Use	Plant(s)
United Coatings™	Unisil II Silicone Roof Coating	ASTM D6694	Restorative Membrane	New Albany, IN
	Unisil HS II High Solids Roof Coating	ASTM D6694	Restorative Membrane	New Albany, IN

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 is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 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.
- 5.4 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.
- 5.5 **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.

- 5.6 The existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 5.7 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 Limitations in Section 5 and the Approved Use in Section 4.

TABLE 1: UNITED COATINGS™ UNISIL II SILICONE ROOF COATING			
Substrate	Primer		United Coatings Unisil II (gal/square)
	Product	Rate (gal/sq.)	
Concrete	Unisil A/B Primer	0.58	1.0 - 4.0
Flood coat of hot asphalt (<i>new</i>)	Unisil A/B Primer	1.16	1.0 - 4.0
Galvanized steel	Unisil A/B Primer	0.33	1.0 - 4.0
Built-Up Roof (BUR), granule-surfaced, new or existing	Unisil A/B Primer	1.16	1.0 - 4.0
Built-Up Roof (BUR), smooth-surfaced, new	Unisil A/B Primer	0.83	1.0 - 4.0
APP modified bitumen, granule-surfaced, new or existing	(optional) Unisil A/B Primer	1.16	1.0 - 4.0
APP modified bitumen, smooth-surfaced, existing	Unisil A/B Primer	0.83	1.0 - 4.0
SBS modified bitumen, granule-surfaced, new or existing	(optional) Unisil A/B Primer	1.16	1.0 - 4.0
SBS modified bitumen, smooth-surfaced, new or existing	Unisil A/B Primer	0.83	1.0 - 4.0
Single-ply EPDM, new or existing	Unisil A/B Primer	0.33	1.0 - 4.0
Single-ply PVC, new or existing	Unisil A/B Primer	0.33	1.0 - 4.0
Single-ply TPO, existing	Unisil A/B Primer	0.33	1.0 - 4.0
Spray polyurethane foam (SPUF)	None	N/A	1.0 - 4.0

TABLE 2: UNITED COATINGS™ UNISIL HS II HIGH SOLIDS ROOF COATING			
Substrate	Primer		United Coatings Unisil HS II (gal/square)
	Product	Rate (gal/sq.)	
Concrete	Unisil A/B Primer	0.58	1.0 - 4.0
Flood coat of hot asphalt (<i>new</i>)	Unisil A/B Primer	1.16	1.0 - 4.0
Galvanized steel	Unisil A/B Primer	0.33	1.0 - 4.0
Built-Up Roof (BUR), granule-surfaced, new or existing	Unisil A/B Primer	1.16	1.0 - 4.0
APP modified bitumen, granule-surfaced, new or existing	(optional) Unisil A/B Primer	1.16	1.0 - 4.0
APP modified bitumen, smooth-surfaced, existing	Unisil A/B Primer	0.83	1.0 - 4.0
SBS modified bitumen, granule-surfaced, new or existing	(optional) Unisil A/B Primer	1.16	1.0 - 4.0
SBS modified bitumen, smooth-surfaced, new or existing	Unisil A/B Primer	0.83	1.0 - 4.0
Single-ply EPDM, new or existing	(optional) Unisil A/B Primer	0.33	1.0 - 4.0
Single-ply PVC, new or existing	Unisil A/B Primer	0.33	1.0 - 4.0
Single-ply TPO, existing	Unisil A/B Primer	0.33	1.0 - 4.0
Spray polyurethane foam (SPUF)	None	N/A	1.0 - 4.0

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

- END OF EVALUATION REPORT -