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Product Approval
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 Application Detail

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FL #	FL17649-R4	
Application Type	Revision	
Code Version	2017	
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 lireith@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_R4_COI_2019_01_COI_NIEMINEN.pdf	
Referenced Standard and Year (of Standard)	Standard ASTM D6694	Year 2008
Equivalence of Product Standards Certified By		
Sections from the Code		
Product Approval Method	Method 1 Option D	

Date Submitted 04/17/2019
 Date Validated 04/21/2019
 Date Pending FBC Approval 04/25/2019
 Date Approved 06/18/2019

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 R4 II 2019 04 FINAL ER GAF C-A-C SILICONE FL17649-R4.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL17649 R4 AE 2019 04 FINAL ER GAF C-A-C SILICONE FL17649-R4.pdf Created by Independent Third Party: Yes

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NEMO|etc.

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EVALUATION REPORT

GAF

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

Evaluation Report 8575.12.15-R4

FL17649-R4

Date of Issuance: 12/16/2015

Revision 4: 04/17/2019

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 **6th Edition (2017) Florida Building Code** sections noted herein.

DESCRIPTION: GAF Silicone Roof Coatings

LABELING: Labeling shall be in accordance with the requirements 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 documentation changes, or provisions of the Code that relate to the product change. Acceptance of this Evaluation Report 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. requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Evaluation Report number 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 04/17/2019. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO|etc. 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. is not owned, operated or controlled by any company manufacturing or distributing products it evaluates.
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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. 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 **6th Edition (2017) 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
T1507.14.3, 1507.15.2	Physical Properties	ASTM D6694	2008

3. REFERENCES:

Entity	Examination	Reference	Date
Miami-Dade (CER1592)	HVHZ compliance	18-0424.05	10/04/2018
PRI (TST5878)	Physical properties	PRMA-001-02-01	06/14/2013
PRI (TST5878)	Physical properties	PRMA-002-02-01	06/14/2013
PRI (TST5878)	Physical properties	PRMA-009-02-01	08/15/2018
PRI (TST5878)	Physical properties	PRMA-011-02-01	08/15/2018
PRI (TST5878)	Physical properties	GAF-089-02-01	01/29/2019
PRI (TST5878)	Physical properties	GAF-089-02-02	01/29/2019
UL LLC (QUA9625)	Quality Assurance	Service Confirmation	03/07/2019

4. PRODUCT DESCRIPTION:

TABLE 1: PRODUCTS				
Brand	Product	Specification	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 HVHZ jurisdictions.
- 5.3 Fire classification is not part of this Evaluation Report. Refer to a current Roofing Materials directory for fire classifications of roof assemblies using the components outlined herein.
- 5.4 GAF Silicone Roof Coatings are not purported to be Roofing Systems, and use shall be governed by and limited to applications where Roof System Product Approval is not necessary (e.g., maintenance and repair or as a fire inhibitive coating) or where the GAF Silicone Roof Coatings are called out in a Roof System Product Approval. If a product is not listed in a roof assembly's Product Approval documentation, this Evaluation Report, coupled with fire resistance data to the satisfaction of the Authority Having Jurisdiction, may be used for compliance documentation.
- 5.5 The GAF Silicone Roof Coatings are applicable for use over new or existing low-slope roof systems, and shall not be used atop prepared roofing; i.e., asphalt shingles, fiber-cement shingles, slate, tile, metal shingles, wood shingles or shakes.
- 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 Limitations in Section 5.
- 6.2 Surface Preparation: Prepare all surfaces in accordance with GAF published requirements. Remove all loose gravel, dirt, dust and any foreign matter that may inhibit adhesion of coating. Repair all blisters and delaminating membranes with like materials.
- 6.3 Prime the prepared existing roof surface as specified within the applicable application table below.

TABLE 1: UNITED COATINGS™ UNISIL II SILICONE ROOF COATING

Substrate	Primer		Base Coat (gal/square)	Finish Coat (gal/square)
	Product	Rate (gal/sq.)		
Concrete	Unisil A/B Primer	0.58	N/A	1.0 - 4.0
Flood coat of hot asphalt (<i>new</i>)	Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Galvanized steel	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Granule-surfaced Built-Up Roof (BUR) (<i>new or existing</i>)	Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Granule-surfaced APP (<i>new or existing</i>)	(optional) Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Granule-surfaced SBS (<i>new or existing</i>)	(optional) Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Smooth-surfaced Built-Up Roof (BUR) (<i>new</i>)	Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Smooth-surfaced APP (<i>existing</i>)	Unisil A/B Primer	0.83	N/A	1.0 - 4.0
Smooth-surfaced SBS (<i>new or existing</i>)	Unisil A/B Primer	0.83	N/A	1.0 - 4.0
Single-ply EPDM (<i>new or existing</i>)	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Single-ply PVC (<i>new or existing</i>)	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Single-ply TPO (<i>existing</i>)	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Spray polyurethane foam (SPUF)	None	N/A	N/A	1.0 - 4.0

TABLE 2: UNITED COATINGS™ UNISIL HS II HIGH SOLIDS ROOF COATING

Substrate	Primer		Base Coat (gal/square)	Finish Coat (gal/square)
	Product	Rate (gal/sq.)		
Concrete	Unisil A/B Primer	0.58	N/A	1.0 - 4.0
Flood coat of hot asphalt (<i>new</i>)	Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Galvanized steel	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Granule-surfaced Built-Up Roof (BUR) (<i>new or existing</i>)	Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Granule-surfaced APP (<i>new or existing</i>)	(Optional) Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Granule-surfaced SBS (<i>new or existing</i>)	(Optional) Unisil A/B Primer	1.16	N/A	1.0 - 4.0
Smooth-surfaced APP (<i>new or existing</i>)	Unisil A/B Primer	0.83	N/A	1.0 - 4.0
Smooth-surfaced SBS (<i>new or existing</i>)	Unisil A/B Primer	0.83	N/A	1.0 - 4.0
Single-ply EPDM (<i>new or existing</i>)	(Optional) Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Single-ply PVC (<i>new or existing</i>)	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Single-ply TPO (<i>existing</i>)	Unisil A/B Primer	0.33	N/A	1.0 - 4.0
Spray polyurethane foam (SPUF)	None	N/A	N/A	1.0 - 4.0

7. BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or Authority Having Jurisdiction in order 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 Table 1 for products and locations having qualified under ASTM D6694-08.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -