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Product Approval
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FL #	FL17649-R3
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 lindareith@trinityerd.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	05/19/2019
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received
Certificate of Independence	FL17649_R3_COI_2017_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	09/22/2017
Date Validated	09/27/2017
Date Pending FBC Approval	10/03/2017
Date Approved	12/12/2017

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 R3 II 2017 09 FINAL ER GAF C-A-C SILICONE FL17649-R3.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL17649 R3 AE 2017 09 FINAL ER GAF C-A-C SILICONE FL17649-R3.pdf Created by Independent Third Party: Yes

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EXTERIOR RESEARCH & DESIGN, LLC.

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EVALUATION REPORT

GAF

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

Evaluation Report 8575.12.15-R3

FL17649-R3

Date of Issuance: 12/16/2015

Revision 3: 09/22/2017

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. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD 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 "Trinity | ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

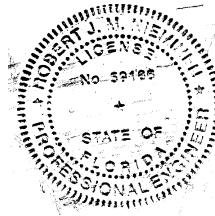
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

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 09/22/2017. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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 Trinity|ERD 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:

<u>Section</u>	<u>Property</u>	<u>Standard</u>	<u>Year</u>
T1507.14.3, 1507.15.2	Physical Properties	ASTM D6694	2008

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
PRI (TST5878)	Physical properties	QCP-012-02-01	08/05/2014
PRI (TST5878)	Physical properties	QCP-013-02-01	08/05/2014
PRI (TST5878)	Physical properties	MPM-016-02-01	05/21/2015
UL LLC (QUA9625)	Quality Assurance	MLA, R6935	07/12/2016
UL LLC (QUA9625)	Quality Assurance	MLA, R1306	09/20/2017
UL LLC (QUA9625)	Quality Assurance	Inspection Report (NY)	11/09/2015
UL LLC (QUA9625)	Quality Assurance	Inspection Report (GA)	05/19/2017

4. PRODUCT DESCRIPTION:

TABLE 1: PRODUCTS			
Type	Product	Specification	Use
Roof Coating	United Coatings™ Unisil Roof Coating	ASTM D6694	Restorative Membrane
	United Coatings™ Unisil HS Roof Coating	ASTM D6694	Restorative Membrane
	United Coatings™ Unisil HS-1 Roof Coating	ASTM D6694	Restorative Membrane

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither Trinity|ERD 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 2: UNITED COATINGS™ UNISIL ROOF COATING						
Substrate	Primer		Product	Base Coat (gal/square)	Finish Coats (gal/square)	
	Product	Rate (gal/sq.)			2 nd Coat	3 rd Coat
Concrete, clean with United Coatings Cleaning Concentrate	Unisil Primer	0.66	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0
Galvanized steel	Unisil Primer	0.33	Unisil Roof Coating	1.0-1.5	1.0-1.25	1.0
Painted steel	Unisil Primer	0.33	Unisil Roof Coating	1.0-1.5	1.0-1.25	1.0
Asphalt Built-Up Roof (BUR)	Unisil Primer	1.0	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0
Granule- or smooth-surfaced SBS	Unisil Primer	1.33	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0
Granule-surfaced APP	Unisil Primer	1.33	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0
Smooth-surfaced APP (<i>existing</i>)	Unisil Primer	1.0	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0
Single-ply Hypalon, PVC or EPDM washed with “Adhere-It® II Primer”	Unisil Primer	0.33	Unisil Roof Coating	1.0-1.5	1.0-1.25	1.0
Spray polyurethane foam (SPUF):	None	N/A	Unisil Roof Coating	1.25-1.5	1.0-1.5	1.0

TABLE 3: UNITED COATINGS™ UNISIL HS ROOF COATING					
Substrate	Primer		Product	Base Coat (gal/square)	Finish Coat (gal/square)
	Product	Rate (gal/sq.)			
Concrete, clean with United Coatings Cleaning Concentrate	None	0.66	Unisil HS Roof Coating	1.0-1.5	0.75-1.25
Galvanized steel	Unisil Primer	0.33	Unisil HS Roof Coating	0.75-1.5	0.75-1.0
Painted steel	Unisil Primer	0.33	Unisil HS Roof Coating	0.75-1.5	0.75-1.0
Asphalt Built-Up Roof (BUR)	Unisil Primer	1.0	Unisil HS Roof Coating	1.0-1.5	0.75-1.25
Granule- or smooth-surfaced SBS	Unisil Primer	1.33	Unisil HS Roof Coating	1.0-1.5	0.75-1.25
Granule-surfaced APP	Unisil Primer	1.33	Unisil HS Roof Coating	1.0-1.5	0.75-1.25
Smooth-surfaced APP (<i>existing</i>)	Unisil Primer	1.0	Unisil HS Roof Coating	1.0-1.5	0.75-1.25
Single-ply Hypalon, PVC or EPDM washed with “Adhere-It® II Primer”	Unisil Primer	0.33	Unisil HS Roof Coating	0.75-1.5	0.75-1.0
Spray polyurethane foam (SPUF):	None	N/A	Unisil HS Roof Coating	1.0-1.5	0.75-1.25

TABLE 4: UNITED COATINGS™ UNISIL HS-1 ROOF COATING					
Substrate	Primer		Product	Base Coat (gal/square)	Finish Coat (gal/square)
	Product	Rate (gal/sq.)			
Galvanized steel	None	N/A	United Coatings™ Unisil HS-1 Roof Coating	N/A	1.5
Granule-surfaced SBS	None	N/A	United Coatings™ Unisil HS-1 Roof Coating	N/A	1.5
Single-ply PVC (<i>existing</i>)	None	N/A	United Coatings™ Unisil HS-1 Roof Coating	N/A	1.5
Spray polyurethane foam (SPUF):	None	N/A	United Coatings™ Unisil HS-1 Roof Coating	1.0	1.0

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 noted QA agency for information on product locations covered for F.A.C. Rule 61G20-3 QA requirements.

Manufacturing Plant	Product(s)
Cartersville, GA	United Coatings™ Unisil Roof Coating United Coatings™ Unisil HS Roof Coating
Waterford, NY	United Coatings™ Unisil HS-1 Roof Coating

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -