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Product Approval
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FL #	FL620-R16										
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 lindar@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	10/12/2020										
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	FL620_R16_COI_2018_01_COI_NIEMINEN.pdf										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM D6083</td> <td>2005</td> </tr> <tr> <td>FM 4470</td> <td>2012</td> </tr> <tr> <td>TAS 110</td> <td>2000</td> </tr> <tr> <td>TAS 139</td> <td>1995</td> </tr> </tbody> </table>	Standard	Year	ASTM D6083	2005	FM 4470	2012	TAS 110	2000	TAS 139	1995
Standard	Year										
ASTM D6083	2005										
FM 4470	2012										
TAS 110	2000										
TAS 139	1995										
Equivalence of Product Standards Certified By											
Sections from the Code											

Product Approval Method Method 1 Option D

Date Submitted 02/09/2018
 Date Validated 02/12/2018
 Date Pending FBC Approval 02/18/2018
 Date Approved 04/10/2018

Summary of Products

FL #	Model, Number or Name	Description
620.1	GAF Roof Maintenance Coatings	Liquid applied 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.		Installation Instructions FL620 R16 II 2018 02 FINAL ER GAF C-A-C FL620-R16.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL620 R16 AE 2018 02 FINAL ER GAF C-A-C FL620-R16.pdf Created by Independent Third Party: Yes

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Oxford, CT 06478
(203) 262-9245

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EVALUATION REPORT

GAF

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

Evaluation Report 01506.01.09-CAC-R15

FL620-R16

Date of Issuance: 01/05/2009

Revision 15: 02/09/2018

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 Roof Maintenance 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.

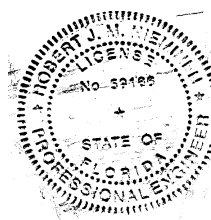
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 10.

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 02/09/2018. 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.
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. 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 Roof Maintenance 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>
1504.7	Impact	FM 4470	2012
1507.10.2	Physical Properties	ASTM D6083	2005
TAS 110	Physical Properties	TAS 139	1995
1523.1.1	Physical Properties	TAS 110	2000

3. REFERENCES:

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
FM (TST 1867)	FM 4470	3015619	03/15/2005
FM (TST 1867)	FM 4470	3026767	02/01/2007
FM (TST 1867)	FM 4470	3046086	01/18/2013
MTI (TST 2508)	Physical Properties	EX14A3A	02/26/2004
PRI (TST 5878)	Physical Properties	UCMC-004-02-02 (Revised)	06/29/2004
PRI (TST 5878)	Physical Properties	GAF-054-02-01	07/11/2004
PRI (TST 5878)	Physical Properties	GAF-065-02-01	12/14/2004
PRI (TST 5878)	Physical Properties	GAF-087-02-01	09/26/2005
PRI (TST 5878)	Physical Properties	GAF-110-02-01	02/15/2006
PRI (TST 5878)	Physical Properties	GAF-082-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	GAF-084-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	GAF-122-02-01	05/07/2006
PRI (TST 5878)	Physical Properties	HSI-010-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	HSI-011-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-012-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-013-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-014-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	UCMC-015-02-01	03/25/2011
PRI (TST 5878)	Physical Properties	GAF-508-02-01	03/12/2014
PRI (TST 5878)	Physical Properties	HSI-007-02-01	05/16/2016
PRI (TST 5878)	Physical Properties	HSI-009-02-01	05/16/2016
PRI (TST 5878)	Physical Properties	GAF-499-02-01	05/19/2016
PRI (TST 5878)	Physical Properties	GAF-500-02-01	05/19/2016
PRI (TST 5878)	Physical Properties	GAF-662-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-666-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-674-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-675-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-676-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-677-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-679-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-680-02-01	06/01/2016
PRI (TST 5878)	Physical Properties	GAF-657-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-659-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-660-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-661-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-663-02-01	06/03/2016

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
PRI (TST 5878)	Physical Properties	GAF-664-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-665-02-01	06/03/2016
PRI (TST 5878)	Physical Properties	GAF-687-02-01	06/06/2016
PRI (TST 5878)	Physical Properties	GAF-688-02-01	06/06/2016
PRI (TST 5878)	Physical Properties	GAF-658-02-01	06/07/2016
PRI (TST 5878)	Physical Properties	GAF-689-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-691-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-692-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-693-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-693-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-01	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-03	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-667-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-668-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-671-02-01	07/01/2016
PRI (TST 5878)	Physical Properties	GAF-669-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-672-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-673-02-01	07/06/2016
PRI (TST 5878)	Physical Properties	GAF-678-02-01	07/14/2016
PRI (TST 5878)	Physical Properties	GAF-712-02-01	07/21/2016
PRI (TST 5878)	Physical Properties	GAF-778-02-01	10/13/2017
UL (TST 1740)	Physical Properties	04NK12216	06/10/2004
M-D (CER 1592)	HVHZ Compliance	15-0128.09	03/26/2015
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R1306 (MA)	11/10/2017
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (AZ)	10/12/2017
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (SC)	10/24/2017

4. PRODUCT DESCRIPTION:

TABLE 1: GAF ROOF MAINTENANCE COATINGS & ACCESSORIES			
Brand	Product	Specification	Use
GAF	FireOut™ Fire Barrier Coating	N/A	Fire barrier
	FlexSeal™ Caulk Grade Sealant	TAS 139	Flashing/detailing
	FlexSeal™ Sealant (formerly TOPCOAT® FlexSeal™)	TAS 139	Flashing/detailing
	EverGuard® TPO Base Coat or TPO Red Primer	N/A	Primer (TPO)
	XR-2000 Primer (formerly TOPCOAT® XR-2000 Primer)	N/A	Primer (coated metal)
	Acrylex 400 Primer (formerly United Coatings™ Acrylex 400 Primer)	N/A	Primer (masonry, metal, wood)
	Epoxy Primer (formerly United Coatings™ Epoxy Primer)	N/A	Primer (porous surfaces)
	SureBond Primer (formerly United Coatings™ SureBond Primer or HydroStop® SureBond Primer)	N/A	Primer (masonry, chalky surfaces)
	UniBase Primer (formerly United Coatings™ UniBase Primer or HydroStop® Sure-Bond Primer)	N/A	Primer (BUR, modified bitumen, previously coated surfaces)
	CleanAct Rinseable Primer	N/A	Primer (EPDM)

TABLE 1 (CONTINUED): GAF ROOF MAINTENANCE COATINGS & ACCESSORIES

Brand	Product	Specification	Use
TOPCOAT®	Membrane	ASTM D6083	Restorative coating
	Sky-Lite	N/A	Restorative coating
	Surface Seal SB	ASTM D6083	Restorative coating
	Flashing Fabric	N/A	Reinforcement
	Flashing – Brush Grade	TAS 139	Flashing
	MB Plus	N/A	Primer (asphaltic surfaces)
	MP-300 Rust-Inhibiting Primer	N/A	Primer
	Precote	N/A	Primer
	Surface Seal SB Primer	N/A	Primer
United Coatings™	Diathon® Base Coat	N/A	Restorative coating, base coat
	Diathon® Roof Coating	ASTM D6083	Restorative coating
	Roof Mate™ Base Coat	N/A	Restorative coating, base coat
	Roof Mate™ TCM Coating (formerly TOPCOAT® Membrane)	ASTM D6083	Restorative coating
	Roof Mate™ Top Coat (formerly Roof Mate™ Coating)	ASTM D6083	Restorative coating
	SurfaceSeal SB Roof Coating (formerly TOPCOAT® Surface Seal SB)	ASTM D6083	Restorative coating
	Roof Mate™ Fabric	N/A	Reinforcement
	Roof Mate™ Butter Grade Flashing	N/A	Flashing/detailing
	Roof Mate™ Liquid Fabric	TAS 139	Flashing
	Roof Mate™ TCM Flashing (formerly Roof Mate™ Spray Grade Flashing or TOPCOAT® Flashing – Spray Grade)	TAS 139	Flashing
	Roof Mate™ MB Plus Coating	N/A	Primer (asphaltic surfaces)
	Adhere-It® II Primer	N/A	Primer (EPDM)
	Lock-Down Primer	N/A	Primer (metal)
	United Cleaning Concentrate	N/A	Cleaning agent
EnergyCote™ Roof Coating	N/A	Touch-up (EnergyCap™ membranes)	
HydroStop®	PremiumCoat® Foundation Coat	N/A	Restorative membrane, base coat
	PremiumCoat® Finish Coat	ASTM D6083	Restorative membrane, top coat
	PremiumCoat® Fabric	N/A	Reinforcement
	TrafficCoat Deck Coating	N/A	Surfacing (non-skid)
	HydroCap Fastener Fabric (aka, HydroCap Fastener Covers)	N/A	Flashing/dealing (fastener heads)
	PremiumCoat® Butter Grade Flashing	N/A	Flashing/detailing
	BarrierGuard® Waterproofing	N/A	Primer (masonry)

5. LIMITATIONS:

- 5.1 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.
- 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 Roof Maintenance 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 Roof Maintenance Coating** is called out in a Roof System Product Approval.
- 5.5 The **GAF Roof Maintenance Coatings** are applicable for use over new or existing low-slope roof systems, as detailed in Section 6, 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 Roof Maintenance Coating** products shall be installed in accordance with **GAF** published installation instructions, subject to the Limitations in Section 5.
- 6.2 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.
- 6.4 Apply base coat as specified within the applicable application table below. Allow 24 hours to dry and inspect base coat for defects prior to finish coat application.
- 6.5 Apply one or more finish coat(s) as specified within the application table below. Allow 24 hours to dry prior to foot traffic.

TABLE 2: SUBSTRATES & APPLICATION RATES TOPCOAT® MEMBRANE COATING					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat(s)
Galvanized Metal Roof Panel	(Optional) TOPCOAT MP-300	1.0	TOPCOAT Membrane	1.0 to 1.5	1.0 to 1.75
Smooth BUR	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
Smooth APP	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
Granule SBS	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
PVC (existing)	None	N/A	TOPCOAT Membrane	1.0	1.5
TPO	None	N/A	TOPCOAT Membrane	1.0	1.5

TABLE 3: SUBSTRATES & APPLICATION RATES TOPCOAT® SURFACE SEAL SB APPLICATION RATES					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
Smooth BUR	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
Granule SBS	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
Granule APP	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
EPDM (fully adhered only)	None	N/A	TOPCOAT Surface Seal SB	2 @ 0.5 gal/sq. per coat	1.5

TABLE 4: SUBSTRATES & APPLICATION RATES GAF FIREOUT™ FIRE BARRIER COATING					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
Wood	None	N/A	GAF FireOut Fire Barrier Coating	None	1.0
	Allow to dry completely prior to membrane installation.				
	Consult a current Fire Resistance Directory for applicable fire ratings of roof systems installed atop GAF FireOut Fire Barrier Coating.				

TABLE 5: SUBSTRATES & APPLICATION RATES				
UNITED COATINGS™ ROOF MATE™ TCM COATING				
Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Primer at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule Built-Up Roof (BUR), Smooth or Granule SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus Coating or Roof Mate TCM Coating at 1.0 gal/square	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule Built-Up Roof (BUR), Smooth or Granule SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus Coating at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Single Ply, PVC	None	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	Roof Mate TCM Coating at 1.0 gal/square.	(Optional) Roof Mate TCM Coating at 1.0 gal/square.	Roof Mate TCM Coating at 1.0 gal/square.
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Structural concrete	None	Roof Mate TCM Coating at 1.0 gal/square	(Optional) Roof Mate TCM Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate TCM Coating at 1.0 gal/square

TABLE 6: SUBSTRATES & APPLICATION RATES				
UNITED COATINGS™ ROOF MATE™ TOP COAT				
Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Primer at 0.5 gal/square	Roof Mate Base Coat at 1.5 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Existing smooth Built-Up Roof (BUR)	United Cleaning Concentrate in accordance with GAF published instructions	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Smooth Built-Up Roof (BUR), Smooth SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Smooth Built-Up Roof (BUR), Smooth SBS modified bitumen or Granule APP modified bitumen	None	Roof Mate MB Plus at 0.5 gal/square	Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square

**TABLE 6: SUBSTRATES & APPLICATION RATES
UNITED COATINGS™ ROOF MATE™ TOP COAT**

Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Granule Built-Up Roof (BUR) or Granule SBS modified bitumen	None	Roof Mate MB Plus or Roof Mate Base Coat at 1.0 gal/square.	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Granule Built-Up Roof (BUR) or Granule SBS modified bitumen	None	Roof Mate MB Plus at 0.5 gal/square.	Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, EPDM	Adhere-It II Primer or Clean Act Rinsable Primer at 0.2 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.5 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, existing CSPE (Hypalon)	United Cleaning Concentrate in accordance with GAF published instructions	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, PVC	None	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Structural concrete	(Optional) Epoxy Primer at 0.4 gal/square or SureBond Primer at 0.4 gal/square	Roof Mate Base Coat at 1.0 gal/square	(Optional) Roof Mate Top Coat at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	Roof Mate Top Coat at 1.0 gal/square

**TABLE 7: SUBSTRATES & APPLICATION RATES
UNITED COATINGS™ DIATHON® ROOF COATING**

Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Spray-Applied Polyurethane Foam (SPUF)	None	(Optional) Diathon Base Coat at 1.0 to 1.5 gal/square	One or two coats, Diathon Roof Coating at 1.0 to 1.5 gal/square per coat.	Diathon Roof Coating at 1.0 to 1.5 gal/square

TABLE 8: SUBSTRATES & APPLICATION RATES
UNITED COATINGS™ SURFACESEAL SB ROOF COATING

Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Smooth or Granule SBS modified bitumen or Smooth or Granule APP modified bitumen	None	Surface Seal SB Roof Coating at 1.0 gal/square	(Optional) Surface Seal SB Roof Coating at 1.0 gal/square	Surface Seal SB Roof Coating at 1.0 gal/square
Single Ply, EPDM	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square
Single Ply, TPO	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square
Structural concrete	None	SurfaceSeal SB Roof Coating at 1.0 gal/square	(Optional) SurfaceSeal SB Roof Coating at 1.0 gal/square	SurfaceSeal SB Roof Coating at 1.0 gal/square

TABLE 9: SUBSTRATES & APPLICATION RATES
HYDROSTOP® PREMIUMCOAT®

Substrate	Primer	Base Coat	Reinforcement	Finish Coat(s)
Galvanized Metal Roof Panel	(Optional) Acrylex 400 Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Required at seams, joints or laps: Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams. Exposed fasteners: Embed 6x6-inch piece of HydroStop PremiumCoat Fabric or HydroStop HydroCap Fastener Cap into the wet HydroStop PremiumCoat Foundation Coat base coat. Saturate the HydroStop PremiumCoat Fabric and HydroStop HydroCap Fastener Caps with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Granule Built-Up Roof (BUR) or Smooth or Granule SBS modified bitumen	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Single Ply, PVC	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Single Ply, TPO	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.

TABLE 9: SUBSTRATES & APPLICATION RATES
HYDROSTOP® PREMIUMCOAT®

Substrate	Primer	Base Coat	Reinforcement	Finish Coat(s)
Spray-Applied Polyurethane Foam (SPUF)	None	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square.	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat at 1.25 gal/square.
Structural concrete	(Optional) Epoxy Primer at 0.4 gal/square or SureBond Primer at 0.4 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.
Structural concrete	Treatment: HydroStop BarrierGuard, two coats at 0.67 gal/square per coat Primer (Optional): SureBond Primer at 0.4 gal/square	HydroStop PremiumCoat Foundation Coat at 1.25 gal/square	Embed HydroStop PremiumCoat Fabric into the wet HydroStop PremiumCoat Foundation Coat base coat, with minimum 4" wide seams, and then saturate the HydroStop PremiumCoat Fabric with HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square.	HydroStop PremiumCoat Finish Coat, two or more coats at 0.75 gal/square per coat.

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:

Brand	Products	Location
GAF	SureBond Primer	Charleston, SC
	Acrylex 400 Primer, Epoxy Primer, SureBond Primer, UniBase Primer	Phoenix, AZ
	FireOut™ Fire Barrier Coating, FlexSeal™ Caulk Grade Sealant, FlexSeal™ Sealant, EverGuard® TPO Base Coat or TPO Red Primer, XR-2000 Primer	Walpole, MA
TOPCOAT®	Membrane, Sky-Lite, Surface Seal SB, Flashing Fabric, Flashing – Brush Grade, MB Plus, MP-300 Rust-Inhibiting Primer, Precote, Surface Seal SB Primer	Walpole, MA
United Coatings™	Diathon® Base Coat, Diathon® Roof Coating, Roof Mate™ Base Coat, Roof Mate™ Top Coat,	Charleston, SC
	Adhere-It® II Primer	Fountain Inn, SC
	United Cleaning Concentrate	Olympia, WA
	Diathon® Roof Coating, Roof Mate™ Base Coat, Roof Mate™ Top Coat, Roof Mate™ Butter Grade Flashing, EnergyCote™ Roof Coating	Phoenix, AZ
	Lock-Down Primer	Richmond, MO
	Roof Mate™ Fabric, Roof Mate™ Liquid Fabric	Spartanburg, SC
	Roof Mate™ TCM Coating, SurfaceSeal SB Roof Coating, Roof Mate™ TCM Flashing, Roof Mate™ MB Plus Coating,	Walpole, MA

Brand	Products	Location
HydroStop®	PremiumCoat® Foundation Coat, TrafficCoat Deck Coating, BarrierGuard® Waterproofing	Charleston, SC
	CleanAct Rinseable Primer	Fountain Inn, SC
	PremiumCoat® Foundation Coat, PremiumCoat® Finish Coat, PremiumCoat® Butter Grade Flashing	Phoenix, AZ
	PremiumCoat® Fabric, HydroCap Fastener Fabric (<i>aka, HydroCap Fastener Covers</i>)	Spartanburg, SC

9. **QUALITY ASSURANCE ENTITY:**
 UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -