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Product Approval
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OFFICE OF THE SECRETARY

FL #	FL620-R14										
Application Type	Revision										
Code Version	2014										
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	Beth McSorley (current)										
Address/Phone/Email	1 Campus Drive Parsippany, NJ 07054 (973) 872-4421 bmcsorley@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	03/04/2018										
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received										
Certificate of Independence	FL620_R14_COI_2016_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>1992</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	1992	TAS 110	2000	TAS 139	1995
Standard	Year										
ASTM D6083	2005										
FM 4470	1992										
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 08/26/2016

Date Validated 08/26/2016

Date Pending FBC Approval 08/30/2016

Date Approved 10/13/2016

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 R14 II 2016 08 FINAL ER GAF C-A-C FL620-R14.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL620 R14 AE 2016 08 FINAL ER GAF C-A-C FL620-R14.pdf Created by Independent Third Party: Yes

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Product Approval Accepts:





EXTERIOR RESEARCH & DESIGN, LLC.

Certificate of Authorization #9503

353 CHRISTIAN STREET

OXFORD, CT 06478

PHONE: (203) 262-9245

FAX: (203) 262-9243

EVALUATION REPORT

GAF

1 Campus Drive
Parsippany, NJ 07054

Evaluation Report 01506.01.09-CAC-R12

FL620-R14

Date of Issuance: 01/05/2009

Revision 12: 08/26/2016

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 **5th Edition (2014) 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. 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.

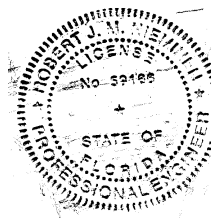
INSPECTION: Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 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 08/26/2016. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client

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 Roof Maintenance Coatings**, as outlined herein and produced by **GAF**, have demonstrated compliance with the **5th Edition (2014) 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	1992
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

<u>Entity</u>	<u>Examination</u>	<u>Reference</u>	<u>Date</u>
PRI (TST 5878)	Physical Properties	GAF-663-02-01	06/03/2016
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-694-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-02	06/22/2016
PRI (TST 5878)	Physical Properties	GAF-694-02-02	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
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)	03/04/2016
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (AZ)	03/24/2016
UL, LLC. (QUA9625)	Quality Assurance	Inspection Report, R6935 (SC)	03/24/2016

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
	TPO Red Primer	N/A	Primer (TPO)
	XR-2000 Primer (formerly TOPCOAT® XR-2000 Primer)	N/A	Primer (coated metal)
TOPCOAT®	EPDM Coating	ASTM D6083	Restorative coating
	FireShield SB	ASTM D6083	Restorative coating
	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
	Flashing – Liquid Fabric	TAS 139	Flashing
	FlexSeal™ LV	TAS 139	Flashing/detailing
	FlexSeal™	TAS 139	Flashing/detailing
	MB Plus	N/A	Primer (asphaltic surfaces)
	MP-300 Rust-Inhibiting Primer	N/A	Primer

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

Brand	Product	Specification	Use
TOPCOAT®	Precote	N/A	Primer
	Surface Seal SB Primer	N/A	Primer
	XR-2000 Primer	N/A	Primer (coated metal)
	EPDM System Cleaner	N/A	Surface cleaner
United Coatings™	EnergyCote™ Elastomeric Coating	N/A	Touch-up (EnergyCap™ membranes)
	Diathon® Base Roof Coating	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)
	Acrylex 400 Primer	N/A	Primer (masonry, metal, wood)
	Adhere-It® II Primer	N/A	Primer (EPDM)
	Epoxy Primer	N/A	Primer (porous surfaces)
	Lock-Down Primer	N/A	Primer (metal)
	SureBond Primer	N/A	Primer (masonry, chalky surfaces)
	UniBase Primer	N/A	Primer (BUR, modified bitumen, previously coated surfaces)
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)
	CleanAct Rinseable Primer	N/A	Primer (EPDM)
	SureBond Primer	N/A	Primer (masonry, chalky surfaces)
	UniBase Primer	N/A	Primer (BUR, modified bitumen and previously coated surfaces)

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 HVHZ.
- 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 (<i>fully adhered only</i>)	None	N/A	TOPCOAT Surface Seal SB	2 @ 0.5 gal/sq. per coat	1.5

TABLE 4: SUBSTRATES & APPLICATION RATES TOPCOAT [®] EPDM COATING					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
EPDM	None	N/A	TOPCOAT EPDM Coating	1.0	1.0

TABLE 5: SUBSTRATES & APPLICATION RATES TOPCOAT [®] FIRESHIELD SB					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
EPDM (<i>fully adhered</i>)	None	N/A	TOPCOAT FireShield SB	2 @ 0.5 gal/sq. per coat	1.5

TABLE 6: 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 7: 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	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 8: 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
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	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 9: SUBSTRATES & APPLICATION RATES UNITED COATINGS™ DIATHON® ROOF COATING				
Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Spray-Applied Polyurethane Foam (SPUF)	None	Diathon Base Coat at 1.0 gal/square	One or two coats, Diathon Roof Coating at 1.0 gal/square per coat.	Diathon Roof Coating at 1.0 gal/square

TABLE 10: 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 11: 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.

**TABLE 11 (CONTINUED): SUBSTRATES & APPLICATION RATES
HYDROSTOP® PREMIUMCOAT®**

Substrate	Primer	Base Coat	Reinforcement	Finish Coat(s)
Single Ply, TPO	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.
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:

Contact the named QA entity for manufacturing facilities covered by F.A.C. Rule 61G20-3 QA requirements.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -