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**Product Approval**  
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OFFICE OF THE SECRETARY

FL #	FL620-R18										
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 lreith@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	<a href="#">FL620_R18_COI_2019_01_COI_NIEMINEN.pdf</a>										
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th><b>Standard</b></th> <th><b>Year</b></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>	<b>Standard</b>	<b>Year</b>	ASTM D6083	2005	FM 4470	2012	TAS 110	2000	TAS 139	1995
<b>Standard</b>	<b>Year</b>										
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	08/14/2019
Date Validated	08/15/2019
Date Pending FBC Approval	08/21/2019
Date Approved	10/15/2019

**Summary of Products**

FL #	Model, Number or Name	Description
620.1	GAF Roof Maintenance Coatings	Liquid applied roof coatings
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> N/A <b>Other:</b> Refer to ER Section 5.		<b>Installation Instructions</b> <a href="#">FL620_R18_II_2019_08_FINAL_ER_GAF_C-A-C_FL620-R18.pdf</a> Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL620_R18_AE_2019_08_FINAL_ER_GAF_C-A-C_FL620-R18.pdf</a> Created by Independent Third Party: Yes


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**Product Approval Accepts:**






**NEMO|etc.**

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

ENGINEER

EVALUATE

TEST

CONSULT

CERTIFY

**EVALUATION REPORT**

**GAF**

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

**Evaluation Report 01506.01.09-CAC-R17**

**FL620-R18**

**Date of Issuance: 01/05/2009**

**Revision 17: 08/13/2019**

**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 **6<sup>th</sup> 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.

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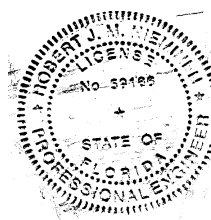
**INSPECTION:** Upon request, a copy of this entire Evaluation Report shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This Evaluation Report consists of pages 1 through 11.

**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 08/13/2019. 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.
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 **6<sup>th</sup> 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
NEMO (TST 6049)	ASTM D6083 (SC)	4p-GAF-19-SSLAP-01.A-R1	08/13/2019
PRI (TST 5878)	ASTM D6083	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)	ASTM D6083 (SC)	UCMC-012-02-01	03/25/2011
PRI (TST 5878)	ASTM D6083 (SC)	UCMC-013-02-01	03/25/2011
PRI (TST 5878)	ASTM D6083 (AZ)	UCMC-014-02-01	03/25/2011
PRI (TST 5878)	ASTM D6083 (AZ)	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

Entity	Examination	Reference	Date
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-694-02-01	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)	ASTM D6083, Table 2 (MA)	GAF-498-02-01	09/16/2016
PRI (TST 5878)	ASTM D6083 (SC)	GAF-777-02-01	09/15/2017
PRI (TST 5878)	Physical Properties	GAF-778-02-01	10/13/2017
PRI (TST 5878)	Physical Properties (SC)	GAF-907-02-01	01/25/2019
PRI (TST 5878)	ASTM D6083, adhesion (SC)	GAF-911-02-01.01	05/24/2019
UL (TST 1740)	Physical Properties	04NK12216	06/10/2004
M-D (CER 1592)	HVHZ Compliance	16-1222.13	07/06/2017
M-D (CER 1592)	HVHZ Compliance	19-0207.07	05/09/2019
M-D (CER 1592)	HVHZ Compliance	19-0325.08	06/06/2019
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 Multisurface Roof Primer (formerly 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
<b>TOPCOAT®</b>	Membrane	ASTM D6083	Restorative coating
	Sky-Lite	N/A	Restorative coating
	Surface Seal SB	ASTM D6083 (film)	Restorative coating
	Flashing Fabric	N/A	Reinforcement
	Flashing – Brush Grade	TAS 139	Flashing
	MB Plus	N/A	Primer (asphaltic surfaces)
	MP-300	N/A	Primer
	Precote	N/A	Primer
	Surface Seal SB Primer	N/A	Primer
<b>United Coatings™</b>	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
	Roofshield® I.S. Fast-Dry Elastomeric Acrylic Coating	ASTM D6083, Type II	Restorative coating
	SurfaceSeal SB Roof Coating (formerly TOPCOAT® Surface Seal SB)	ASTM D6083 (film)	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™ Spray Grade Flashing (formerly TOPCOAT® Flashing – Spray Grade)	TAS 139	Flashing
	Roof Mate™ MB Plus Coating	N/A	Primer (asphaltic surfaces)
	Lock-Down Primer	N/A	Primer (metal)
	United Cleaning Concentrate	N/A	Cleaning agent
EnergyCote™ Roof Coating	N/A	Touch-up (EnergyCap™ membranes)	
<b>HydroStop®</b>	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	(Optional) TOPCOAT MP-300	1.0	TOPCOAT Membrane	1.0 to 1.5	1.0 to 1.75
Built-up roof (BUR), smooth-surfaced, existing or new	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
APP modified bitumen, smooth-surfaced, existing	TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
SBS modified bitumen, granule-surfaced, existing or new	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Membrane	1.0 to 1.5	1.75
Single ply, PVC, existing	None	N/A	TOPCOAT Membrane	1.0	1.5
Single ply, TPO, existing or new	None	N/A	TOPCOAT Membrane	1.0	1.5

TABLE 3: SUBSTRATES & APPLICATION RATES					
TOPCOAT <sup>®</sup> SURFACE SEAL SB APPLICATION RATES					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat
Built-up roof (BUR), smooth-surfaced, existing or new	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
SBS modified bitumen, granule- or smooth-surfaced, existing or new	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
APP modified bitumen, granule-surfaced, existing or new	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
APP modified bitumen, smooth-surfaced, existing	(Optional) TOPCOAT MB Plus	1.0 to 1.25	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75
Single ply, EPDM, existing or new <i>(fully adhered only)</i>	None	N/A	TOPCOAT Surface Seal SB	2 @ 0.5 gal/sq. per coat	1.5
Single ply, TPO, existing or new	None	N/A	TOPCOAT Surface Seal SB	2 @ 0.5 gal/sq. per coat	1.5
Structural concrete	None	N/A	TOPCOAT Surface Seal SB	1.0 to 1.25	1.75

TABLE 4: SUBSTRATES & APPLICATION RATES					
GAF FIREOUT <sup>™</sup> 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 <sup>™</sup> ROOF MATE <sup>™</sup> TCM COATING				
Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
Galvanized Metal	(Optional) Acrylex 400 Multisurface Roof 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.
APP modified bitumen, granule-surfaced, existing or new; Built-up roof (BUR), granule- or smooth-surfaced, existing or new or SBS modified bitumen, granule- or smooth-surfaced, existing or new	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.
APP modified bitumen, granule-surfaced, existing or new; Built-up roof (BUR), granule- or smooth-surfaced, existing or new or SBS modified bitumen, granule- or smooth-surfaced, existing or new	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.



**TABLE 5: SUBSTRATES & APPLICATION RATES  
UNITED COATINGS™ ROOF MATE™ TCM COATING**

Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
APP modified bitumen, granule-surfaced, existing or new; APP modified bitumen, smooth-surfaced, existing or SBS modified bitumen, granule- or smooth-surfaced, existing or new	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, existing or new	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, existing or new	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, existing or new	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, existing or new	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	(Optional) Acrylex 400 Multisurface Roof 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
Built-up roof (BUR), smooth-surfaced, existing	United Cleaning Concentrate	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
APP modified bitumen, granule-surfaced, existing or new; Built-up roof (BUR), smooth-surfaced, existing or new or SBS modified bitumen, smooth-surfaced, existing	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
APP modified bitumen, granule-surfaced, existing or new; Built-up roof (BUR), smooth-surfaced, existing or new or SBS modified bitumen, smooth-surfaced, existing or new	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
Built-up roof (BUR), granule-surfaced, existing or new or SBS modified bitumen, granule-surfaced, existing or new	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
Built-up roof (BUR), granule-surfaced, existing or new or SBS modified bitumen, granule-surfaced, existing or new	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
APP modified bitumen, granule-surfaced, existing or new or SBS modified bitumen, granule- or smooth-surfaced, existing or new	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, existing or new	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, existing or new	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, CSPE (Hypalon), existing	United Cleaning Concentrate	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, existing or new	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, existing or new	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, existing or new	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
APP modified bitumen, granule-surfaced, existing or new; APP modified bitumen, smooth-surfaced, existing or SBS modified bitumen, granule- or smooth-surfaced, existing or new	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, existing or new	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, existing or new	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®**

**Note:** Application consists of HydroStop PremiumCoat Foundation Coat at 1.25 gal/square followed by HydroStop PremiumCoat Fabric embedded into the wet HydroStop PremiumCoat Foundation Coat, with minimum 4" wide seams, and a saturation coat of HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square. HydroStop PremiumCoat Finish Coat is then applied in two or more coats, at 0.75 gal/square per coat.

Substrate	Primer	Base Coat	Reinforcement	Finish Coat(s)
Galvanized Metal	(Optional) Acrylex 400 Multisurface Roof Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
APP modified bitumen, granule-surfaced, existing or new	Unisil A/B Primer at 1.16 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
APP modified bitumen, smooth-surfaced, existing	Unisil A/B Primer at 0.83 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Built-up roof (BUR), granule-surfaced, existing or new	(Optional) Unisil A/B Primer at 1.16 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Built-up roof (BUR), smooth-surfaced, existing or new	Unisil A/B Primer at 0.83 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
SBS modified bitumen, granule-surfaced, existing or new	(Optional) Unisil A/B Primer at 1.16 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
SBS modified bitumen, smooth-surfaced, existing or new	(Optional) Unisil A/B Primer at 0.83 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Single Ply, PVC, existing or new	(Optional) Unisil A/B Primer at 0.33 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Single Ply, TPO, existing or new	EverGuard® TPO Base Coat or TPO Red Primer at 0.5 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Single Ply, TPO, existing	Unisil A/B Primer at 0.33 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat
Spray-Applied Polyurethane Foam (SPUF)	None	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat

**TABLE 9: SUBSTRATES & APPLICATION RATES**  
**HYDROSTOP® PREMIUMCOAT®**

**Note:** Application consists of HydroStop PremiumCoat Foundation Coat at 1.25 gal/square followed by HydroStop PremiumCoat Fabric embedded into the wet HydroStop PremiumCoat Foundation Coat, with minimum 4" wide seams, and a saturation coat of HydroStop PremiumCoat Foundation Coat applied at a minimum rate of 1.25 gal/square. HydroStop PremiumCoat Finish Coat is then applied in two or more coats, at 0.75 gal/square per coat.

Substrate	Primer	Base Coat	Reinforcement	Finish Coat(s)
Structural concrete	(Optional) Epoxy Primer at 0.4 gal/square or SureBond Primer at 0.4 gal/square	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish 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	See Note	HydroStop PremiumCoat Finish Coat
Plywood	None	HydroStop PremiumCoat Foundation Coat	See Note	HydroStop PremiumCoat Finish Coat

**TABLE 10: SUBSTRATES & APPLICATION RATES**  
**UNITED COATINGS™ ROOFSHIELD® I.S. FAST-DRY ELASTOMERIC ACRYLIC COATING**

Substrate	Treatment	Primer	Coating
Galvanized metal	None	(Optional) Acrylex 400 Multisurface Roof Primer at 0.33 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Built-up roof (BUR), granule-surfaced, existing	United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Built-up roof (BUR), granule-surfaced, new	(Optional) United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Built-up roof (BUR), smooth-surfaced, existing or new	None	Roof Mate MB Plus at 0.5 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
APP modified bitumen, granule-surfaced, existing	United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
APP modified bitumen, granule-surfaced, new	(Optional) United Cleaning Concentrate	(Optional) Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
APP modified bitumen, smooth-surfaced, existing	United Cleaning Concentrate	Roof Mate MB Plus at 0.5 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
SBS modified bitumen, granule-surfaced, existing	United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
SBS modified bitumen, granule-surfaced, new	United Cleaning Concentrate	(Optional) Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 1.0 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
SBS modified bitumen, smooth-surfaced, existing	United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 0.5 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
SBS modified bitumen, smooth-surfaced, new	(Optional) United Cleaning Concentrate	Roof Mate MB Plus or SurfaceSeal SB Roof Coating at 0.5 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Single Ply, PVC, existing or new	None	(Optional) Unisil A/B Primer at 0.33 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Single Ply, EPDM, existing or new	Clean Act Rinsable Primer at 0.2 gal/square	None	Roofshield I.S. Coating at 3.0 to 3.5 gal/square

**TABLE 10: SUBSTRATES & APPLICATION RATES**  
**UNITED COATINGS™ ROOFSHIELD® I.S. FAST-DRY ELASTOMERIC ACRYLIC COATING**

Substrate	Treatment	Primer	Coating
Single Ply, TPO, existing or new	None	Surface Seal SB Primer at 0.5 gal/square or TPO Red Primer at 0.25 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square
Structural concrete	None	(Optional) SureBond Primer at 0.4 gal/square	Roofshield I.S. Coating at 3.0 to 3.5 gal/square

**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	Acrylex 400 Multisurface Roof Primer, SureBond Primer	Charleston, SC
	Acrylex 400 Multisurface Roof 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, Precote, Surface Seal SB Primer	Walpole, MA
United Coatings™	Diathon® Base Coat, Diathon® Roof Coating, Roof Mate™ Base Coat, Roof Mate™ Top Coat, Roofshield® I.S. Fast-Dry Elastomeric Acrylic Coating	Charleston, 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™ Spray Grade Flashing, Roof Mate™ MB Plus Coating,	Walpole, MA
HydroStop®	PremiumCoat® Foundation Coat, PremiumCoat® Finish 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 -**