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Product Approval
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OFFICE OF THE SECRETARY

FL #	FL620-R22										
Application Type	Revision										
Code Version	2020										
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 Ireith@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	FL620_R22_COI_2020_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>2018</td> </tr> <tr> <td>FM 4470</td> <td>2016</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	2018	FM 4470	2016	TAS 110	2000	TAS 139	1995
Standard	Year										
ASTM D6083	2018										
FM 4470	2016										
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 10/14/2020
 Date Validated 10/17/2020
 Date Pending FBC Approval 10/25/2020
 Date Approved 12/15/2020

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_R22_II_2020_09_25_FINAL_ER_GAF_C-A-C_FL620-R22.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL620_R22_AE_2020_09_25_FINAL_ER_GAF_C-A-C_FL620-R22.pdf 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

EVALUATION REPORT

GAF

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

Evaluation Report 01506.01.09-CAC-R21

FL620-R22

Date of Issuance: 01/05/2009

Revision 21: 09/25/2020

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 **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: GAF Roof Maintenance Coatings

LABELING: Labeling shall be in accordance with the requirements of 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 or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports by the named client constitutes agreement to notify NEMO ETC, LLC of any changes to the product(s), the Quality Assurance or the production facility location(s). NEMO ETC, LLC requires a complete review of its Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) 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 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 09/25/2020. This does not serve as an electronically signed document.

CERTIFICATION OF INDEPENDENCE:

1. NEMO ETC, LLC 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, LLC 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, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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 **7th Edition (2020) Florida Building Code** through testing in accordance with the Standards set forth herein. Compliance is subject to the Installation Requirements and Limitations / Conditions of Use set forth herein.

2. STANDARDS:

Section	Property	Standard	Year
1504.7	Impact resistance	FM 4470, Section 4.6	2016
1507.10.2, 1507.14.3, R905.9.2, R905.11.2, R905.14.3	Material standard	ASTM D6083	2018
TAS 110	Material standard	TAS 139	1995
1523.1.1	Material standard	TAS 110	2000

3. REFERENCES:

Entity	Examination	Reference	Date
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)	ASTM D6083 (MA)	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

Entity	Examination	Reference	Date
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
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
PRI (TST 5878)	Physical Properties (SC)	376T0048	12/04/2019
PRI (TST 5878)	Physical Properties (AZ)	376T0077	06/15/2020
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	Service Confirmation	05/21/2019

4. PRODUCT DESCRIPTION:

TABLE 1: GAF ROOF MAINTENANCE COATINGS & ACCESSORIES				
Brand	Product	Material Standard	Manufacturing	Use
GAF	FireOut™ Fire Barrier Coating	N/A (not codified)	Walpole, MA	Fire barrier
	FlexSeal™ Caulk Grade Sealant	TAS 139	Walpole, MA	Flashing/detailing
	FlexSeal™ Sealant (formerly TOPCOAT® FlexSeal™)	TAS 139	Walpole, MA	Flashing/detailing
	TPO Red Primer	N/A (not codified)	Walpole, MA	Primer (TPO)
	XR-2000 Primer (formerly TOPCOAT® XR-2000 Primer)	N/A (not codified)	Walpole, MA	Primer (coated metal)
	Acrylex 400 Multisurface Roof Primer (formerly Acrylex 400 Primer)	N/A (not codified)	Charleston, SC Phoenix, AZ	Primer (masonry, metal, wood)
	Epoxy Primer (formerly United Coatings™ Epoxy Primer)	N/A (not codified)	Phoenix, AZ	Primer (porous surfaces)

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

Brand	Product	Material Standard	Manufacturing	Use
GAF	SureBond Primer <i>(formerly United Coatings™ SureBond Primer or HydroStop® SureBond Primer)</i>	N/A (not codified)	Charleston, SC Phoenix, AZ	Primer (masonry, chalky surfaces)
	UniBase Primer <i>(formerly United Coatings™ UniBase Primer or HydroStop® Sure-Bond Primer)</i>	N/A (not codified)	Charleston, CT Phoenix, AZ	Primer (BUR, modified bitumen, coatings)
	CleanAct Rinseable Primer	N/A (not codified)	Fountain Inn, SC	Primer (EPDM)
TOPCOAT®	Membrane	ASTM D6083	Walpole, MA	Restorative coating
	Sky-Lite	N/A (not codified)	Walpole, MA	Restorative coating
	Surface Seal SB	ASTM D6083 (film)	Walpole, MA	Restorative coating
	Flashing Fabric	N/A (not codified)	Walpole, MA	Reinforcement
	Flashing – Brush Grade	TAS 139	Walpole, MA	Flashing
	MB Plus	N/A (not codified)	Walpole, MA	Primer (asphaltic surfaces)
	MP-300	N/A (not codified)	Walpole, MA	Primer
	Precote	N/A (not codified)	Walpole, MA	Primer
	Surface Seal SB Primer	N/A (not codified)	Walpole, MA	Primer
United Coatings™	Diathon® Base Coat	N/A (not codified)	Charleston, SC	Restorative coating, base coat
	Diathon® Roof Coating	ASTM D6083	Charleston, SC Phoenix, AZ	Restorative coating
	Roof Mate™ Base Coat	N/A (not codified)	Charleston, SC Phoenix, AZ	Restorative coating, base coat
	Roof Mate™ TCM Coating <i>(formerly TOPCOAT® Membrane)</i>	ASTM D6083	Walpole, MA	Restorative coating
	Roof Mate™ Top Coat <i>(formerly Roof Mate™ Coating)</i>	ASTM D6083	Charleston, SC Phoenix, AZ	Restorative coating
	Roofshield® I.S. Coating	ASTM D6083, Type II	Charleston, SC	Restorative coating
	SurfaceSeal SB Roof Coating <i>(formerly TOPCOAT® Surface Seal SB)</i>	ASTM D6083 (film)	Walpole, MA	Restorative coating
	Roof Mate™ Fabric	N/A (not codified)	Spartanburg, SC	Reinforcement
	Roof Mate™ Butter Grade Flashing	N/A (not codified)	Phoenix, AZ	Flashing/detailing
	Roof Mate™ Liquid Fabric	TAS 139	Spartanburg, SC	Flashing
	Roof Mate™ Spray Grade Flashing <i>(formerly TOPCOAT® Flashing – Spray Grade)</i>	TAS 139	Walpole, MA	Flashing
	Roof Mate™ MB Plus Coating	N/A (not codified)	Walpole, MA	Primer (asphaltic surfaces)
	Lock-Down Primer	N/A (not codified)	Richmond, MO	Primer (metal)
	United Cleaning Concentrate	N/A (not codified)	Olympia, WA	Cleaning agent
	EnergyCote™ Roof Coating	N/A (not codified)	Phoenix, AZ	Touch-up (EnergyCap™ membranes)

TABLE 1(CONTINUED): GAF ROOF MAINTENANCE COATINGS & ACCESSORIES				
Brand	Product	Material Standard	Manufacturing	Use
HydroStop®	PremiumCoat® Foundation Coat	N/A (not codified)	Charleston, SC Phoenix, AZ	Restorative membrane, base coat
	PremiumCoat® Finish Coat	ASTM D6083	Charleston, SC Phoenix, AZ	Restorative membrane, top coat
	PremiumCoat® Fabric	N/A (not codified)	Spartanburg, SC	Reinforcement
	TrafficCoat Deck Coating	N/A (not codified)	Charleston, SC	Surfacing (non-skid)
	HydroCap Fastener Fabric (<i>aka, HydroCap Fastener Covers</i>)	N/A (not codified)	Charleston, SC	Flashing/detailing (fastener heads)
	PremiumCoat® Butter Grade Flashing	N/A (not codified)	Phoenix, AZ	Flashing/detailing
	BarrierGuard® Surface Coating (<i>formerly, BarrierGuard® Waterproofing</i>)	N/A (not codified)	Charleston, SC Phoenix, AZ	Primer (masonry)

5. LIMITATIONS:

- 5.1 This is a building code evaluation. Neither NEMO ETC, LLC nor Robert Nieminen, P.E. are, in any way, the Designer of Record for any project on which this Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report pertains to above-deck roof components. Roof decks and structural members shall be in accordance with FBC requirements to the satisfaction of the Authority Having Jurisdiction.
- 5.4 This Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.5 **GAF Roof Maintenance Coatings** are components for use in Approved roof assemblies. Refer to the “Approved Use” in Section 4 for each component. The coatings noted herein are not purported to be Roofing Systems, and their use shall be governed by and limited to applications where Roof System Product Approval is not necessary (e.g., maintenance and repair) or where the components are called out in a Roof System Product Approval.
- 5.6 The existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 5.7 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 and the Approved Use in Section 4.

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

TABLE 2: SUBSTRATES & APPLICATION RATES TOPCOAT® MEMBRANE COATING					
Substrate	Primer		Product	Rate (gal/sq.)	
	Product	Rate (gal/sq.)		Base Coat	Top Coat(s)
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® 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™ 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	(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.

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; 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.
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	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

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

Substrate	Primer	Base Coat	Intermediate Coat	Finish Coat
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
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	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	TPO Red Primer at 0.5 gal/square	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)
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
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 Surface Coating, 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. 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

**TABLE 10: SUBSTRATES & APPLICATION RATES
UNITED COATINGS™ ROOFSHIELD® I.S. COATING**

Substrate	Treatment	Primer	Coating
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
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 to properly evaluate the installation of this product.

8. MANUFACTURING PLANTS:

Contact the named QA entity for manufacturing facilities covered by **F.A.C. Rule 61G20-3** QA requirements. Refer to Section 4 herein for products and production locations having met codified material standards.

9. QUALITY ASSURANCE ENTITY:

UL, LLC. – QUA9625; (847) 664-3281

- END OF EVALUATION REPORT -