



**NEMO|etc.**

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ENGINEER

TEST

CONSULT

**P.E. EVALUATION REPORT (PEER)**

**GAF**

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

**PEER-GAF-004.A.R32**

**FL620-R33**

Date of Issuance: 01/05/2009

**Revision 32: 11/25/2024**

**SCOPE:**

This P.E. Evaluation Report (henceforth 'PEER') is issued under **F.A.C. 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 **8<sup>th</sup> Edition (2023) 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.

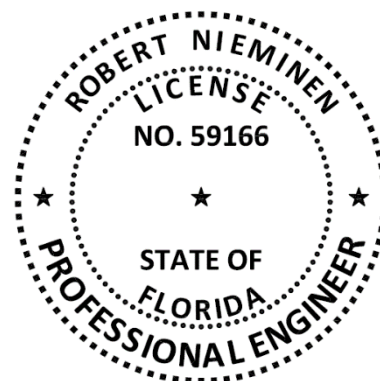
**CONTINUED COMPLIANCE:** This PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify 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 PEER relative to updated Code requirements with each Code Cycle.

**ADVERTISEMENT:** "Nemo P.E. Evaluated" may be displayed in advertising literature. If any portion of the PEER is displayed, then it shall be in its entirety.

**INSPECTION:** Upon request, a copy of this entire PEER 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 PEER consists of pages 1 through 7.

**Prepared by:**



**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 PEERs 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 PEER, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.

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**ROOFING COMPONENT EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Cements – Adhesives – Coatings  
**Product Approval Method:** Method 1, Option D – Codified Material, Evaluation by Engineer  
**Compliance Statement:** **GAF Roof Maintenance Coatings**, as outlined herein and produced by **GAF**, have demonstrated compliance with the **8<sup>th</sup> Edition (2023) Florida Building Code, including High Velocity Hurricane Zones (HVHZ)**, through testing in accordance with the Standards set forth herein. Compliance is subject to the [Limitations of Use](#) and [Installation Requirements](#) set forth herein.

**2. STANDARDS:**

SECTION	PROPERTY	STANDARD
1507.10.2, 1507.14.3, 1509.2, 1523.6.5.2.12.2, R905.9.2, R905.11.2, R905.14.3, TAS 110	Material standard	ASTM D6083
TAS 110	Material standard	TAS 139
1523.1.1	Material standard	TAS 110
1523.6.2.1.1	Wind driven rain (acrylic over SPUF)	TTC-555B

**3. REFERENCES:**

ENTITY	EXAMINATION	REFERENCE	Date
GAF	Equivalency	Declaration	08/03/22
NEMO (TST6049)	ASTM D6083, T1 & adhesion (IL)	4p-GAF-SSLAP-001.A	05/29/24
NEMO (TST6049)	ASTM D6904 (aka, TTC-555B)	4p-GAF-SSLAP-002	11/25/24
PRI (TST 5878)	Physical Properties (AZ)	GAF-672-02-01	05/31/16
PRI (TST 5878)	Physical Properties (C-SC)	GAF-673-02-01	05/31/16
PRI (TST 5878)	Physical Properties (C-SC)	GAF-674-02-01	05/31/16
PRI (TST 5878)	Physical Properties (S-SC)	GAF-676-02-01	05/31/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-679-02-01	05/31/16
PRI (TST 5878)	Physical Properties (C-SC)	GAF-680-02-01	05/31/16
PRI (TST 5878)	Physical Properties (MA)	GAF-657-02-01	06/02/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-659-02-01	06/02/16
PRI (TST 5878)	Physical Properties (C-SC)	GAF-660-02-01	06/02/16
PRI (TST 5878)	Physical Properties (MO)	GAF-661-02-01	06/02/16
PRI (TST 5878)	Physical Properties (FI-SC)	GAF-663-02-01	06/02/16
PRI (TST 5878)	Physical Properties (WA)	GAF-664-02-01	06/02/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-665-02-01	06/02/16
PRI (TST 5878)	Adhesion (AZ)	GAF-687-02-01	06/06/16
PRI (TST 5878)	Adhesion (C-SC)	GAF-688-02-01	06/06/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-662-02-01	06/07/16
PRI (TST 5878)	Adhesion (AZ)	GAF-689-02-02	06/21/16
PRI (TST 5878)	Adhesion (AZ)	GAF-694-02-01	06/21/16
PRI (TST 5878)	TAS 139 (MA)	GAF-667-02-01	06/30/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-678-02-01	07/05/16
PRI (TST 5878)	Physical Properties (AZ)	GAF-712-02-01	07/15/16
PRI (TST 5878)	ASTM D6083, Table 2 (MA)	GAF-498-02-01	09/16/16
PRI (TST 5878)	ASTM D6083, FIN (SC)	GAF-777-02-01	09/15/17
PRI (TST 5878)	ASTM D6083 (C-SC)	GAF-778-02-01	09/15/17
PRI (TST 5878)	Physical Properties (MA)	GAF-873-02-01	01/23/19
PRI (TST 5878)	Physical Properties (C-SC)	GAF-907-02-01	01/25/19
PRI (TST 5878)	Physical Properties (SC)	GAF-908-02-01	01/25/19
PRI (TST 5878)	Adhesion (C-SC)	GAF-911-02-01.01	05/24/19
PRI (TST 5878)	Physical Properties (C-SC)	376T0048	12/04/19
PRI (TST 5878)	Physical Properties (AZ)	376T0077	06/15/20
PRI (TST 5878)	ASTM D6083, Table 2 (IL)	743T0014	07/31/20
PRI (TST 5878)	Physical Properties (AZ)	376T0172	07/07/21
PRI (TST 5878)	ASTM D6083, FIN (AZ)	376T0159	08/31/21
PRI (TST 5878)	Physical Properties (AZ)	376T0340	10/28/22
PRI (TST 5878)	Physical Properties (AZ)	376T0341	10/28/22

ENTITY	EXAMINATION	REFERENCE	Date
PRI (TST 5878)	Physical Properties (AR)	376T0466	10/24/23
PRI (TST 5878)	Physical Properties (AR)	376T0465	12/11/23
PRI (TST 5878)	Physical Properties (AR)	376T0467	01/30/24
PRI (TST 5878)	ASTM D6083 (AZ)	376T0519	05/15/24
PRI (TST 5878)	TAS 139 (IL)	376T0558	10/30/24
NEMO	Traceability	FBC PCL RML	12/19/23
UL, LLC. (QUA9625)	Quality Assurance	Service Confirmation	07/12/22
UL, LLC (QUA9625)	Quality Assurance	Service Confirmation (AR)	12/04/23
UL, LLC. (QUA9625)	Quality Assurance	Florida BCIS	Current

#### 4. PRODUCT DESCRIPTION:

**TABLE 1: EVALUATED MAINTENANCE COATINGS & ACCESSORIES**

USE	PRODUCT	MATERIAL STANDARD	MANUFACTURING
COATING	GAF Acrylic Top Coat (fka, United Coatings Diathon Roof Coating)	ASTM D6083	Charleston, SC Phoenix, AZ
	GAF Premium Acrylic HydroStop® Top Coat	ASTM D6083	Charleston, SC Phoenix, AZ
	GAF Surface Seal SB Roof Coating	ASTM D6083 (film)	Walpole, MA
	GAF Surface Seal SB Thermoplastic Rubber Coating	ASTM D6083	Alsip, IL
	GAF Sky-Lite	N/A	Walpole, MA
BASE COAT	GAF Acrylic Base Coat (fka, United Coatings Diathon Base Roof Coating)	N/A	Charleston, SC Phoenix, AZ
	GAF Premium Acrylic HydroStop® Base Coat	N/A	Charleston, SC Phoenix, AZ
REINFORCEMENT	GAF Premium Fabric	N/A	Spartanburg, SC
SURFACING (OVER COATING)	GAF TrafficCoat Pedestrian Surface Coating (Smooth or Textured)	N/A	Phoenix, AZ
PRIMERS	GAF UniBase Primer	N/A	Charleston, SC Phoenix, AZ
	GAF EPDM Activator	N/A	Fountain Inn, SC
	GAF BarrierGuard® Surface Coating	N/A	Charleston, SC Phoenix, AZ
	GAF SureBond Primer	N/A	Charleston, SC Phoenix, AZ
	GAF Lock-Down Primer	N/A	Richmond, MO
	GAF Metal Roof Primer	N/A	Charleston, SC Phoenix, AZ
	GAF Epoxy Primer	N/A	Charleston, SC Phoenix, AZ
	GAF TPO Red Primer	N/A	Arkadelphia, AR
FLASHING/DETAILING	GAF Premium Brush-Grade Acrylic Flashing	N/A	Phoenix, AZ
	GAF FlexSeal™ Sealant	TAS 139	Arkadelphia, AR
	GAF FlexSeal™ Caulk Grade Sealant	N/A	Arkadelphia, AR
	GAF FlexSeal™ Caulk Grade Sealant	TAS 139	Alsip, IL
	GAF RepairPro Sealant	N/A	Arkadelphia, AR
	GAF Spray-Grade Acrylic Flashing	TAS 139	Walpole, MA
CLEANING AGENT	GAF Cleaning Concentrate	N/A	Olympia, WA
TOUCH-UP (ENERGYCAP™ MEMBRANES)	GAF EnergyCote™ Roof Coating	N/A	Phoenix, AZ Walpole, MA

## 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 PEER, or previous versions thereof, is/was used for permitting or design guidance. PEERs are not to be construed as representing any attributes not specifically listed, nor are PEERs to be construed as an endorsement of the subject, or a recommendation for its use. There is no warranty by NEMO ETC, LLC or Robert Nieminen, P.E., express or implied, as to any finding or other matter in this PEER, or as to any product covered by the PEER.
- 5.2 This PEER 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.
- 5.3 This PEER does not include evaluation of fire classification. Refer to **FBC 1505 or FBC HVHZ 1516** for requirements and limitations regarding roof assembly fire classification. Refer to **FBC 2603** for requirements and limitations concerning the use of foam plastic insulation.
- 5.4 **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.
- 5.5 The existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.
- 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** shall be installed in accordance with **GAF** published installation instructions, subject to the Approved Use in [Section 4](#) and [Limitations of Use](#) herein.
- 6.1.1 Primers, foundation coat(s), reinforcing fabric (when installed) and/or finish coat(s) shall be in accordance with GAF wet-mil and dry-mil thickness requirements.

## 6.2 Allowable Substrates:

TABLE 2A: ALLOWABLE SUBSTRATES				
GAF SURFACE SEAL SB ROOF COATING (WALPOLE, MA)				
SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Built-up roof (BUR)	Smooth	New or Existing (aged)	None	GAF Surface Seal SB Roof Coating
Modified Bitumen, APP	Granule	New of Existing (aged)	None	GAF Surface Seal SB Roof Coating
Modified Bitumen, APP	Smooth	Existing (aged)	None	GAF Surface Seal SB Roof Coating
Modified Bitumen, SBS	Granule or Smooth	New of Existing (aged)	None	GAF Surface Seal SB Roof Coating
Single Ply, EPDM	N/A	New or Existing (aged)	None	GAF Surface Seal SB Roof Coating
Single Ply, TPO	N/A	New or Existing (aged)	None	GAF Surface Seal SB Roof Coating
Structural Concrete	N/A	New or Existing (aged)	None	GAF Surface Seal SB Roof Coating

TABLE 2B: ALLOWABLE SUBSTRATES				
GAF SURFACE SEAL SB THERMOPLASTIC RUBBER COATING (ALSIP, IL)				
SUBSTRATE			PRIMER	FOUNDATION AND/OR FINISH COAT(S)
TYPE	SURFACE	CONDITION		
Built-up roof (BUR)	Granule or Smooth	New or Existing (aged)	(Optional) GAF Multi-Purpose Primer	GAF Surface Seal SB Thermoplastic Rubber Coating
Galvanized Metal	N/A	New or Existing (aged)	None	GAF Surface Seal SB Thermoplastic Rubber Coating
Modified Bitumen, APP	Granule	New of Existing (aged)	(Optional) GAF Multi-Purpose Primer	GAF Surface Seal SB Thermoplastic Rubber Coating
	Smooth	New or Existing (aged)	None	
Modified Bitumen, SBS	Granule or Smooth	New of Existing (aged)	(Optional) GAF Multi-Purpose Primer	GAF Surface Seal SB Thermoplastic Rubber Coating
Single Ply, EPDM (black)	N/A	New or Existing (aged)	GAF EPDM Activator	GAF Surface Seal SB Thermoplastic Rubber Coating
Single Ply, TPO	N/A	Existing (aged)	None	GAF Surface Seal SB Thermoplastic Rubber Coating
	N/A	New or Existing (aged)	GAF TPO Red Primer	
Structural Concrete	N/A	New or Existing (aged)	None	GAF Surface Seal SB Thermoplastic Rubber Coating

**TABLE 3: ALLOWABLE SUBSTRATES**
**GAF ACRYLIC TOP COAT**

SUBSTRATE			PRIMER	COATING		
TYPE	SURFACE	CONDITION		FOUNDATION COAT	INTERMEDIATE COAT	FINISH COAT
Built-up roof (BUR)	Granule	New or Existing (aged)	None	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Built-up roof (BUR)	Smooth	Existing (aged)	GAF Cleaning Concentrate	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Galvanized metal	N/A	New or Existing (aged)	(Optional) GAF Metal Roof Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Modified Bitumen, APP	Granule	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat
Modified Bitumen, SBS	Granule	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat
			(Optional) GAF Multi-Purpose Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Modified Bitumen, SBS	Smooth	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat
			GAF Multi-Purpose Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Single Ply, CSPE (Hypalon)	N/A	Existing (aged)	GAF Cleaning Concentrate	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Single Ply, EPDM	N/A	New or Existing (aged)	GAF EPDM Activator	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Single Ply, EPDM	N/A	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat
Single Ply, PVC	N/A	New or Existing (aged)	None	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Single Ply, TPO	N/A	New or Existing (aged)	GAF TPO Red Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Single Ply, TPO	N/A	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat
Spray-Applied Polyurethane Foam (SPUF)	N/A	New	None	(Optional) GAF Acrylic Base Coat	One or two coats, GAF Acrylic Top Coat	GAF Acrylic Top Coat
Structural Concrete	N/A	New or Existing (aged)	GAF Epoxy Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Structural Concrete	N/A	New or Existing (aged)	GAF SureBond Primer	GAF Acrylic Base Coat	(Optional) GAF Acrylic Top Coat	GAF Acrylic Top Coat
Structural Concrete	N/A	New or Existing (aged)	None	GAF SurfaceSeal SB Roof Coating	(Optional) GAF SurfaceSeal SB Roof Coating	GAF Acrylic Top Coat

**TABLE 4: ALLOWABLE SUBSTRATES**  
**GAF PREMIUM ACRYLIC HYDROSTOP®**

***\*Note:** Application consists of GAF Premium Acrylic HydroStop Base Coat at 1.25 gal./sq. followed by GAF Premium Fabric embedded into the wet GAF Premium Acrylic HydroStop Base Coat, with minimum 4" wide seams, and a saturation coat of GAF Premium Acrylic HydroStop Base Coat applied at a minimum rate of 1.25 gal./sq.. GAF Premium Acrylic HydroStop Top Coat is then applied in two or more coats, at 0.75 gal./sq. per coat.*

SUBSTRATE			PRIMER	COATING		
TYPE	SURFACE	CONDITION		FOUNDATION COAT	FABRIC*	FINISH COAT
Built-up roof (BUR)	Granule	New or Existing (aged)	(Optional) United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Built-up roof (BUR)	Smooth	New or Existing (aged)	United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Galvanized metal	N/A	New or Existing (aged)	(Optional) GAF Metal Roof Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Modified Bitumen, APP	Granule	New or Existing (aged)	United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Modified Bitumen, APP	Smooth	Existing (aged)	United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Modified Bitumen, SBS	Granule	New or Existing (aged)	(Optional) United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Modified Bitumen, SBS	Smooth	New or Existing (aged)	(Optional) United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Plywood	N/A	New or Existing (aged)	None	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Single Ply, PVC	N/A	New or Existing (aged)	(Optional) United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Single Ply, TPO	N/A	New or Existing (aged)	GAF TPO Red Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Single Ply, TPO	N/A	Existing (aged)	United Coatings Unisil A/B Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Spray-Applied Polyurethane Foam (SPUF)	N/A	New	None	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Structural Concrete	N/A	New or Existing (aged)	(Optional) GAF Epoxy Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Structural Concrete	N/A	New or Existing (aged)	(Optional) GAF SureBond Primer	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat
Structural Concrete	N/A	New or Existing (aged)	GAF BarrierGuard Surface Coating	GAF Premium Acrylic HydroStop Base Coat	See Note	GAF Premium Acrylic HydroStop Top Coat

## 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](#); (360) 817-5512; [bsai.inspections@ul.com](mailto:bsai.inspections@ul.com)

**- END OF PEER -**