



[DBPR HOME](#) | [ABOUT DBPR](#) | [DBPR DIVISIONS](#) | [CONTACT DBPR](#)

[BCIS Home](#) | [Log In](#) | [User Registration](#) | [Hot Topics](#) | [Submit Surcharge](#) | [Stats & Facts](#) | [Publications](#) | [Contact Us](#) | [BCIS Site Map](#) | [Links](#) | [Search](#)



Product Approval
USER: Public User

[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

OFFICE OF THE SECRETARY

FL #	FL10626-R28
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	GAF
Address/Phone/Email	1 Campus Drive Parisppany, NJ 07054 (800) 766-3411 mstieh@gaf.com
Authorized Signature	Michael Stieh michael.stieh@gaf.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	Underlayments
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	12/28/2026
Validated By	John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received

Certificate of Independence [FL10626_R28_COI_2024_07_COI_NIEMINEN.pdf](#)

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D1970	2017
	ASTM D226	2017
	ASTM D4798	2011
	ASTM D6164	2016
	ASTM D6757	2018
	ASTM D8257	2020
	FM 4474	2011
	FRSA/TRI Manual	2023
	TAS 103	2020

Equivalence of Product Standards
 Certified By

Sections from the Code

Product Approval Method Method 1 Option D

Date Submitted 08/15/2024
 Date Validated 08/21/2024
 Date Pending FBC Approval 08/22/2024
 Date Approved 10/15/2024

Summary of Products

FL #	Model, Number or Name	Description
10626.1	GAF Roof Underlayments (HVHZ)	Underlayments for use in steep-slope, prepared roof systems in FBC HVHZ jurisdictions.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: No Impact Resistant: N/A Design Pressure: +N/A/-442.5 Other: Refer to PEER Section 5 for Limits of Use.		Installation Instructions FL10626 R28 II 2024 08 15 FINAL PEER-GAF-010.B UNDERLAY HVHZ FL10626-R28.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL10626 R28 AE 2024 08 15 FINAL PEER-GAF-010.B UNDERLAY HVHZ FL10626-R28.pdf Created by Independent Third Party: Yes
10626.2	GAF Roof Underlayments (NON-HVHZ)	Underlayments for use in steep-slope, prepared roof systems in FBC NON-HVHZ jurisdictions.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: +N/A/-442.5 Other: Refer to PEER Section 5 for Limits of Use.		Installation Instructions FL10626 R28 II 2024 08 15 FINAL PEER-GAF-010.A UNDERLAY NON-HVHZ FL10626-R28.pdf Verified By: Robert Nieminen 59166 Created by Independent Third Party: Yes Evaluation Reports FL10626 R28 AE 2024 08 15 FINAL PEER-GAF-010.A UNDERLAY NON-HVHZ FL10626-R28.pdf Created by Independent Third Party: Yes

[Back](#) [Next](#)

Contact Us :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

The State of Florida is an AA/EEO employer. [Copyright 2007-2013 State of Florida.](#) :: [Privacy Statement](#) :: [Accessibility Statement](#) :: [Refund Statement](#)

Under Florida law, email addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:





NEMO|etc.

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

ENGINEER

TEST

CONSULT

P.E. EVALUATION REPORT (PEER)

GAF

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

PEER-GAF-010.B-R3

FL10626-R28 (HVHZ)

Date of Issuance: 09/23/2022

Revision 3: 08/15/2024

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 and Florida Building Code, Residential Volume. The products described herein have been evaluated for compliance with the **8th Edition (2023) Florida Building Code, High Velocity Hurricane Zone sections noted herein.**

DESCRIPTION: GAF Roof Underlayments (HVHZ)

LABELING: Labeling shall be in accordance with the requirements of the Accredited Quality Assurance Agency noted herein and **FBC 1518.2.**

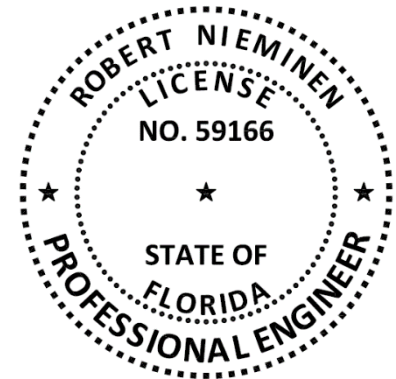
CONTINUED COMPLIANCE: PEER is valid until such time as the named product(s) changes, the referenced Quality Assurance or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our PEERs by the named client constitutes agreement to notify NEMO ETC, 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 done 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 5.

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.

©2019 NEMO ETC, LLC

ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Underlayment
Product Approval Method: Method 1, Option D – Codified Material, Evaluation by Engineer
Compliance Statement: **GAF Roof Underlayments**, as produced by **GAF**, have demonstrated compliance with the following sections of the **8th Edition (2023) Florida Building Code, HVHZ** through testing in accordance with the following Standards. Compliance is subject to the [Installation Requirements](#) and [Limitations of Use](#) set forth herein.

2. STANDARDS:

SECTION	PROPERTY	STANDARD
TAS 110	Material standard	TAS 103
TAS 110	Material standard	ASTM D6164
TAS 110	Accelerated Weathering	ASTM D4798

3. REFERENCES:

ENTITY	EXAMINATION	REFERENCE	DATE
ERD (TST6049)	ASTM D6164 (GA)	G46160.09.14-3A	09/09/14
NEMO (TST6049)	ASTM D1623, TAS 103	4p-DOW-19-SSLAP-01.A-R2	10/01/19
NEMO (TST6049)	ASTM D1623, TAS 103	4j-GAF-22-SSUDL-01	08/08/22
PRI (TST5878)	Various PPT	376T0482 LTR	10/18/23
PRI (TST5878)	ASTM D6164 (GA)	376T0483	02/26/24
UL, LLC (QUA9625)	Quality Control	Service Confirmation (various)	09/28/23
UL, LLC (QUA9625)	Quality Control	Florida BCIS	Current

4. PRODUCT DESCRIPTION:

TABLE 1: EVALUATED UNDERLAYMENTS			
PRODUCT	MATERIAL STANDARD	PLANT(S)	DESCRIPTION
Ruberoid® Mop Granule	ASTM D6164 TAS 103 (partial)	Savannah, GA	Granule-surfaced, SBS modified bitumen membranes used in place of the ASTM D6380 cap sheet in the "Hot Mop 30/90" underlayment system set forth in RAS 118, RAS 119 and RAS 120
Ruberoid® Mop Granule FR	ASTM D6164 TAS 103 (partial)	Savannah, GA	

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 is exclusively for use in FBC High Velocity Hurricane Zone jurisdictions, as defined in FBC Chapter 2 (Broward and Miami-Dade Counties).
- 5.3 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.
- 5.4 This PEER does not include evaluation of fire classification. Refer to **FBC 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.
- 5.5 **GAF Roof Underlayments** may be used with any prepared roof cover where the product is specifically referenced within FBC approval documents. If not listed, a request may be made to the Authority Having Jurisdiction for approval based on this PEER combined with supporting data for the prepared roof covering.

5.6 Allowable Roof Covers:

TABLE 2: ROOF COVER OPTIONS						
<u>FBC HVHZ:</u>	RAS 115, 1518.2.1	RAS 118, 119 & 120		RAS 133, 1518.2.1	1518.2.1	RAS 130, 1518.10
UNDERLAYMENT	ASPHALT SHINGLES	CLAY AND CONCRETE TILE		METAL	SLATE OR SLATE-TYPE SHINGLES	WOOD
		MECHANICAL ATTACH	ADHESIVE-SET			
Ruberoid® Mop Granule	No	Yes (Cap Sheet)	Yes (Cap Sheet) (Table 2A)	No	No	No
Ruberoid® Mop Granule FR	No	Yes (Cap Sheet)	Yes (Cap Sheet) (Table 2A)	No	No	No

5.6.1 Adhesive-set tile is limited to use of the following underlayment / tile-adhesive combinations.

TABLE 2A: ALLOWABLE UNDERLAYMENT / TILE-ADHESIVE COMBINATIONS ¹					
UNDERLAYMENT	TILE-ADHESIVE OPTIONS AND FLORIDA PRODUCT APPROVAL OR MIAMI-DADE NOA				
	DAP FOAM		DUPONT	ICP ADHESIVES	
	STORMBOND	STORMBOND 2	TILE BOND	POLYSET AH-160	APOC POLYSET RTA-1
	23-0327.12	22-0512.02	FL22525 OR 22-0614.05	22-0614.10	22-0614.08
Ruberoid® Mop Granule	Yes	Yes	Yes	Yes	Yes
Ruberoid® Mop Granule FR	Yes	Yes	Yes	Yes	Yes

5.7 Allowable Substrates:

TABLE 3: SUBSTRATE OPTIONS FOR ADHERED UNDERLAYMENTS				
UNDERLAYMENT	APPLICATION	SUBSTRATES (TO MEET WIND LOADS FOR PROJECT)		
		TYPE	PRIMER	MATERIAL(S)
Ruberoid® Mop Granule or Ruberoid® Mop Granule FR	hot asphalt	Deck	ASTM D41	structural concrete
		Base Sheet	N/A	ASTM D226, Type II felt

5.8 Attachment Limitations:

5.8.1 RESERVED

5.8.2 Refer to Tables [4A](#) and [4B](#) for underlayment systems which have documented compliance with Section 7 of [TAS 103](#). The Maximum Design Pressure ('MDP') is the result of testing for wind load resistance based on allowable wind loads, and reflects the ultimate passing pressure divided by 2 (the 2 to 1 margin of safety has already been applied).

TABLE 4A: ALLOWABLE DESIGN PRESSURES, ADHERED, DIRECT-TO-DECK UNDERLAYMENT SYSTEMS				
SYSTEM No.	DECK	BASE PLY	CAP PLY	MDP (psf)
UDL-1.	Min. 2,500 psi structural concrete	GAFGLAS #75 Base Sheet, Tri-Ply #75 Base Sheet, GAFGLAS #80 Ultima Base Sheet, GAFGLAS Ply 4, Tri-Ply Ply 4 or GAFGLAS Flex Ply 6 applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square	Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square, and back-nailed using FBC HVHZ approved fasteners and plates, max. 12-inch o.c.	-442.5

¹ Refer to Tile Manufacturer's HVHZ Florida Product Approval or Miami-Dade NOA for Overturning Moment Resistance Performance.

**TABLE 4B: ALLOWABLE DESIGN PRESSURES,
MECHANICALLY ATTACHED, MULTI-PLY UNDERLAYMENT SYSTEMS**

** Reference to "nails and tin caps" herein pertains to [FBC HVHZ 1517.5](#).
Nails shall be corrosion resistant and be of sufficient length to penetrate through the sheathing by min. 3/16-inch

SYSTEM No.	DECK	BASE SHEET	CAP PLY	MDP (PSF)
UDL-2.	Plywood , APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth mechanically attached with min. 12 ga. annular ring shank roofing nails** through 32 ga., 1-5/8-inch diameter tin caps spaced 9-inch o.c. at the min. 4-inch wide side laps and 9-inch o.c. at two (2), equally spaced, staggered center rows in the field of the sheet	Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square, and back-nailed using FBC HVHZ Approved nails and tin caps**, max. 12-inch o.c.	-45.0
UDL-3.	Plywood , APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth mechanically attached with min. 12 ga. annular ring shank roofing nails** through 32 ga., 1-5/8-inch diameter tin caps spaced 8-inch o.c. at the min. 4-inch wide side laps and 8-inch o.c. at three (3), equally spaced, staggered center rows in the field of the sheet	Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square, and back-nailed using FBC HVHZ Approved nails and tin caps**, max. 12-inch o.c.	-75.0
UDL-4.	Plywood , APA rated sheathing, 40/20, Exposure 1, PS1, 19/32 category	GAFGLAS® #80 Ultima™ Base Sheet or Ruberoid® 20 Smooth mechanically attached with min. 11 ga. annular ring shank roofing nails** through 32 ga., 1-5/8-inch diameter tin caps spaced 4-inch o.c. at the min. 2-inch wide side laps and 4-inch o.c. at four (4), equally spaced center rows in the field of the sheet	Ruberoid® Mop Granule or Ruberoid® Mop Granule FR applied in full mopping of ASTM D312, Type IV hot asphalt at 20 to 25 lbs/square, and back-nailed using FBC HVHZ Approved nails and tin caps**, max. 12-inch o.c.	-97.5

5.9 Exposure Limitations:

TABLE 5: EXPOSURE LIMITATIONS

UNDERLAYMENT	PREPARED ROOF COVER INSTALLATION TYPE	MAXIMUM EXPOSURE (DAYS)
Ruberoid® Mop Granule and Ruberoid® Mop Granule FR	Adhesive-set tile roof system	180
	Mechanically attached	UNLIMITED

5.10 Tile Slippage Limitations: When loading roof tiles on the underlayment in direct-deck tile roof assemblies, the maximum roof pitch shall be as follows. These pitch limitations can only be exceeded by using battens or loading-boards during loading of the roof tiles.

TABLE 6: TILE SLIPPAGE LIMITATIONS FOR DIRECT-DECK TILE INSTALLATIONS

UNDERLAYMENT	TILE PROFILE	STAGING METHOD	MAXIMUM STAGING PITCH
Ruberoid® Mop Granule	Flat	Max. 10-tile stack	4:12
	Lugged	battens or loading-boards required	N/A
Ruberoid® Mop Granule FR	Flat or Lugged	battens or loading-boards required	N/A

6. INSTALLATION:

- 6.1 **GAF Roof Underlayments** shall be installed in accordance with **GAF** published installation instructions subject to the Limitations set forth in [Section 5](#) herein and the specifics noted below.
- 6.1.1 Consult GAF requirements for back-nailing at slopes 2:12 or greater.
- 6.1.2 Consult GAF requirements for proper sealing of granule-surfaced end-laps.
- 6.2 Re-fasten any loose decking panels, and check for protruding nail heads. Sweep the substrate thoroughly to remove any dust and debris prior to application, and prime the substrate (if applicable).
- 6.3 Refer to Tables [4A](#) and [4B](#) for underlayment systems having maximum design pressures, determined in accordance with Section 7 of [TAS 103](#).

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

- END OF PEER -