FL #	FL10626-R30
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
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 ☐ 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	09/12/2028
Validated By	John W. Knezevich, PE ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL10626_R30_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	08/23/2025
Date Validated	08/25/2025
Date Pending FBC Approval	08/26/2025
Date Approved	10/14/2025

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_R30_II_2025_08_18_FINAL_PEER-GAF-010.B_UNDERLAY_HVHZ_FL10626-R30.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes **Evaluation Reports** FL10626_R30_AE_2025_08_18_FINAL_PEER-GAF-010.B_UNDERLAY_HVHZ_FL10626-R30.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_R30_II_2025_08_18_FINAL_PEER-GAF-010.A_UNDERLAY_NON-HVHZ_FL10626-R30.pdf Verified By: Robert Niemien 59166 Created by Independent Third Party: Yes **Evaluation Reports** FL10626_R30_AE_2025_08_18_FINAL_PEER-GAF-010.A_UNDERLAY_NON-HVHZ_FL10626-R30.pdf Created by Independent Third Party: Yes

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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.R5
FL10626-R30 (HVHZ)
Date of Issuance: 09/23/2022
Revision 5: 08/18/2025

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 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: 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 done in its entirety.

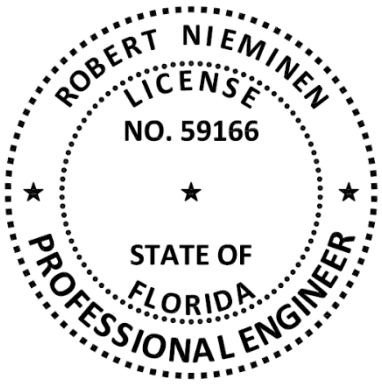
INSPECTION: Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 5.

Prepared by:

Digitally signed by Robert Nieminen
Date: 2025.08.18 '12:34:31 -04'00

This item has been digitally signed and sealed by Robert Nieminen, P.E.
Printed copies of this document are not considered signed and sealed, and the signature must be verified on any electronic copies.
Robert Nieminen, Florida P.E. 59166, FBC ANE1983
NEMO ETC, LLC, Florida CA #32455



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.

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
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.A	08/09/22
NEMO (TST6049)	ASTM D6164 (GA)	4q-GAF-SSMBB-004.A	02/05/25
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						
FBC HVHZ:	*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]					
	TILE-ADHESIVE OPTIONS AND FLORIDA PRODUCT APPROVAL OR MIAMI-DADE NOA				
	DAP FOAM		DUPONT	ICP ADHESIVES	
	STORMBOND	STORMBOND 2	TILE BOND	APOC POLYSET AH-160	APOC POLYSET RTA-1
UNDERLAYMENT	23-0327.12	22-0512.02	FL22525 OR 22-0614.05	23-0614.01	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).

5.8.3 Unless otherwise noted, referenced back-nailing shall utilize corrosion resistant "nails and tin caps" meeting the specifications set forth in **FBC HVHZ 1517.5**.

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 concrete 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				
**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 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 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 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 -