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Product Approval
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- EMERGENCY MANAGEMENT
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| FL # | FL620-R3 | | | | | | | | | | | | |
|--|---|-----------------|-------------|------------|------|---------|------|---------|------|---------|------|---------|------|
| Application Type | Revision | | | | | | | | | | | | |
| Code Version | 2010 | | | | | | | | | | | | |
| Application Status | Approved | | | | | | | | | | | | |
| Comments | | | | | | | | | | | | | |
| Archived | <input type="checkbox"/> | | | | | | | | | | | | |
| Product Manufacturer | GAF | | | | | | | | | | | | |
| Address/Phone/Email | 1361 Alps Road Wayne, NJ 07470 (973) 872-4421 lindareith@trinityerd.com | | | | | | | | | | | | |
| Authorized Signature | Beth McSorley lindareith@trinityerd.com | | | | | | | | | | | | |
| Technical Representative | Beth McSarley | | | | | | | | | | | | |
| Address/Phone/Email | 1361 Alps Road - Bldg 11-1 Wayne, NJ 07470 (973) 872-4421 BMcSorley@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 checked="" 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 | Underwriters Laboratories Inc. | | | | | | | | | | | | |
| Quality Assurance Contract Expiration Date | 01/24/2013 | | | | | | | | | | | | |
| Validated By | John W. Knezevich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received | | | | | | | | | | | | |
| Certificate of Independence | FL620_R3_COI_Trinity_ERD_CI_-_Nieminen.pdf | | | | | | | | | | | | |
| Referenced Standard and Year (of Standard) | <table border="0"> <thead> <tr> <th><u>Standard</u></th> <th><u>Year</u></th> </tr> </thead> <tbody> <tr> <td>ASTM D6083</td> <td>2005</td> </tr> <tr> <td>FM 4470</td> <td>1992</td> </tr> <tr> <td>FM 4474</td> <td>2004</td> </tr> <tr> <td>TAS 110</td> <td>2000</td> </tr> <tr> <td>TAS 139</td> <td>1995</td> </tr> </tbody> </table> | <u>Standard</u> | <u>Year</u> | ASTM D6083 | 2005 | FM 4470 | 1992 | FM 4474 | 2004 | TAS 110 | 2000 | TAS 139 | 1995 |
| <u>Standard</u> | <u>Year</u> | | | | | | | | | | | | |
| ASTM D6083 | 2005 | | | | | | | | | | | | |
| FM 4470 | 1992 | | | | | | | | | | | | |
| FM 4474 | 2004 | | | | | | | | | | | | |
| 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 12/08/2011
 Date Validated 12/09/2011
 Date Pending FBC Approval 12/22/2011
 Date Approved 01/31/2012

Summary of Products

| FL # | Model, Number or Name | Description |
|--|---|--|
| 620.1 | GAF TOPCOAT® Roof Maintenance Coating Systems | Liquid applied roof coating systems |
| 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_R3_II_er120511FINAL_GAF_C-A-C_FL620-R3.pdf Verified By: Robert Nieminen PE-59166 Created by Independent Third Party: Yes Evaluation Reports FL620_R3_AE_er120511FINAL_GAF_C-A-C_FL620-R3.pdf Created by Independent Third Party: Yes |

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[Contact Us](#) :: Phone: 850-487-1824 1940 North Monroe Street, Tallahassee FL 32399

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Product Approval Accepts:





EXTERIOR RESEARCH & DESIGN, LLC.
 Certificate of Authorization #9503
 353 CHRISTIAN STREET
 OXFORD, CT 06478
 PHONE: (203) 262-9245
 FAX: (203) 262-9243

EVALUATION REPORT

GAF
1361 Alps Road, Bldg 7-3
Wayne, NJ 7470

Evaluation Report 01506.01.09-CAC-R1
FL620-R3
Date of Issuance: 01/05/2009
Revision 1: 12/05/2011

SCOPE:

This Evaluation Report is issued under Rule 9N-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 designed to comply with the 2010 Florida Building Code.

DESCRIPTION: GAF TOPCOAT® Roof Maintenance Coating Systems

LABELING: Each unit shall bear labeling 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. if the product changes or the referenced Quality Assurance documentation changes. Trinity|ERD requires a complete review of this Evaluation Report relative to updated Code requirements with each Code Cycle.

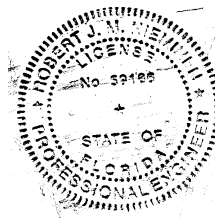
ADVERTISEMENT: The Evaluation Report number preceded by the words "Trinity | ERD Evaluated" may be displayed in advertising literature. If any portion of the Evaluation Report is displayed, then it shall be done in its entirety.

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 5.

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 12/05/2011. This does not serve as an electronically signed document. Signed, sealed hardcopies have been transmitted to the Product Approval Administrator and to the named client.

CERTIFICATION OF INDEPENDENCE:

1. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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. Exterior Research & Design, LLC. d/b/a Trinity | ERD 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.

ROOFING COMPONENT EVALUATION:
1. SCOPE:

Product Category: Roofing
Sub-Category: Cements – Adhesives - Coatings
Compliance Statement: TOPCOAT Roof Maintenance Coating Systems, as outlined herein and produced by GAF, have demonstrated compliance with the 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> |
|----------------|---------------------|-----------------|-------------|
| 1504.3.1 | Wind | FM 4474 | 2004 |
| 1504.7 | Impact | FM 4470 | 1992 |
| 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 |
| MTI (TST 2508) | Physical Properties | EX14A3A | 02/26/2004 |
| 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 |
| UL (TST 1740) | Physical Properties | 04NK12216 | 06/10/2004 |
| M-D (CER 1592) | HVHZ Compliance | 08-0221.01 | 05/15/2008 |
| UL (QUA 1743) | Quality Assurance | Inspection Report, R14948 | 04/29/2011 |

4. PRODUCT DESCRIPTION:

| Table 1A: Products for GAF TOPCOAT Restoration Systems | | | |
|---|--------------------------------------|------------------------|----------------------|
| Type | Product | Specification | Use |
| Liquid Applied Restoration | TOPCOAT CRT | ASTM D6083 | Restorative Membrane |
| | TOPCOAT Elastomeric Membrane | ASTM D6083 | Restorative Membrane |
| | TOPCOAT MB Plus | ASTM D6083 (physicals) | Restorative Membrane |
| | TOPCOAT Surface Seal SB | ASTM D6083 (physicals) | Restorative Membrane |
| | TOPCOAT EPDM | ASTM D6083 | Restorative Membrane |
| | TOPCOAT FireShield SB | ASTM D6083 | Restorative Membrane |
| | TOPCOAT FireShield MB | ASTM D6083 | Restorative Membrane |
| | TOPCOAT FireShield EPDM | ASTM D6083 | Restorative Membrane |
| | TOPCOAT Topester Fabric | N/A | Reinforcement |
| | FireOut | N/A | Fire Barrier |
| | TOPCOAT Flashing Grade | TAS 139 | Flashing |
| | TOPCOAT Liquid Fabric Flashing Grade | N/A | Flashing |
| | TOPCOAT SB-900 | N/A | Flashing |

| Table 1A (Continued): Products for GAF TOPCOAT Restoration Systems | | | |
|--|-----------------------------------|---------------|---------------------|
| Type | Product | Specification | Use |
| Liquid Applied Restoration | TOPCOAT WALLCOTE Wall Coating | N/A | Wall Flashing |
| | TOPCOAT Flexseal | TAS 139 | Flashing/Detailing |
| | TOPCOAT Fastener Grade | N/A | Detailing |
| | TOPCOAT MP-300 | N/A | Primer |
| | TOPCOAT XR-2000 | N/A | Primer |
| | TOPCOAT Precote | N/A | Primer |
| | TOPCOAT One-Step | N/A | Primer |
| | TOPCOAT WALLCOTE Block Primer | N/A | Primer |
| | TOPCOAT WALLCOTE Flashing Sealant | N/A | Sealant |
| | TOPCOAT SKY-LITE | N/A | Restorative Coating |

5. LIMITATIONS:

- 5.1 This Evaluation Report is not for use in HVHZ.
- 5.2 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.
- 5.3 The products listed herein are components of roof assemblies and are approved with use with roof assemblies that list any of the products as part of Product Approval documentation or as restoration components for existing roof systems. If a product is not listed in a roof assembly's Product Approval documentation, this Evaluation Report, coupled with fire resistance data to the satisfaction of the AHJ, may be used for compliance documentation.
- 5.4 The TOPCOAT Roof Maintenance Coating System is applicable for use over new or existing low-slope roof systems, and shall not be used atop prepared roofing; i.e., asphalt shingles, fiber-cement shingles, slate, tile, metal shingles, wood shingles or shakes.
- 5.5 All products listed herein shall have quality assurance audit in accordance with F.A.C. Rule 9N-3 requirements.

6. INSTALLATION:

- 6.1 GAF TOPCOAT® shall be installed in accordance with GAF published installation instructions, subject to the Limitations in Section 5.

6.1.1 Existing or New Smooth or Mineral Surface BUR or Modified Bitumen:

Substrate Preparation: Substrate shall be clean and dry. Repair any blistered, buckled or wet BUR or MB with like materials. Repair any cracking or crazing having width or depth greater than 1/16" using TOPCOAT Flexseal or SB-900.

Base Coat: TOPCOAT MB Plus, Surface Seal SB, FireShield SB or FireShield MB at 1.0 to 1.25 gal/sq.

Finish Coat: One or more applications of TOPCOAT MB Plus, Surface Seal SB or FireShield SB at 1.0 to 1.75 gal/sq.

6.1.2 Existing or New EPDM:

- Substrate Preparation: Substrate shall be clean and dry. Repair any torn, cracked or buckled areas with like materials. Pre-clean with TOPCOAT EPDM System Cleaner spray-applied at 500 ft² / gallon and pressure wash with water to remove dirt, dust, chalk and other debris.
- Base Coat (solvent base): For Fully Adhered EPDM only: TOPCOAT Surface Seal SB or FireShield SB roller applied in two-coats; the first at 0.5 gal/sq and the second (after first coat dries) at 1.5 gal/sq.
- Or
- Base Coat (water base): TOPCOAT EPDM Coating or FireShield EPDM roller applied in two-coats, each at 1 gal/sq.
- Finish Coat (solvent base): For Fully Adhered EPDM only: One or more applications of TOPCOAT Surface Seal SB or FireShield SB at 1.5 gal/sq.
- Or
- Finish Coat (water base): One or more applications of TOPCOAT EPDM or FireShield EPDM Coating at 1.0 gal/sq.

6.1.3 Existing Hypalon:

- Substrate Preparation: Substrate shall be older than one year. Substrate shall be clean and dry. Repair any torn, cracked or buckled areas with like materials. Pre-clean by pressure wash with water and TSP to remove dirt, dust, chalk and other debris.
- Base Coat: TOPCOAT Surface Seal SB or FireShield SB at 1.0 gal/sq.
- Finish Coat: One or more applications of TOPCOAT Surface Seal SB or FireShield SB at 1.5 gal/sq.

6.1.4 Existing PVC:

- Substrate Preparation: Substrate shall be older than one year. Substrate shall be clean and dry. Repair any torn, cracked or buckled areas with like materials. Pre-clean by pressure wash with water and TSP to remove dirt, dust, chalk and other debris.
- Base Coat: TOPCOAT Elastomeric Membrane at 1.0 gal/sq.
- Finish Coat: One or more applications of TOPCOAT Elastomeric Membrane at 1.0 gal/sq.

6.1.5 Fire Barrier Application:

- Substrate Preparation: Substrate shall be clean and dry.
- Fire Barrier: FireOut Fire Barrier Coating at 1 gal/sq.

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:

Contact the named QA entity for manufacturing facilities covered by F.A.C. Rule 9N-3 QA requirements

9. QUALITY ASSURANCE ENTITY:

Underwriters Laboratories – QUA1743; (847) 664-3281

- END OF EVALUATION REPORT -