



**NEMO|etc.**

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ENGINEER

TEST

CONSULT

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

**Simon Roofing & Sheet Metal Corporation**

**d/b/a SR Products**

70 Karago Avenue  
Youngstown, OH 44512  
**(888) 353-7178**

**PEER-SIM-003.A.R5**

**FL17323-R5 (NON-HVHZ)**

Date of Issuance: 10/23/2014

**Revision 5: 07/26/2024**

**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: Wite Brite® Liquid Applied Roof Systems (NON-HVHZ)**

**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:** The Florida Product Approval Number (FL#) preceded by the words "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.

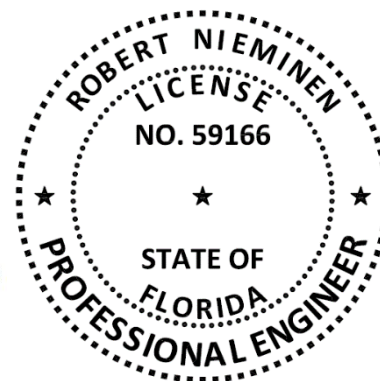
**INSPECTION:** Upon request, a copy of this entire PEER shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This PEER consists of pages 1 through 4, plus a 1-page Appendix

**Prepared by:**

Digitally signed by  
Robert Nieminen  
Date: 2024.07.26  
'13:59:19 -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.

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**ROOFING SYSTEMS EVALUATION:**
**1. SCOPE:**

**Product Category:** Roofing  
**Sub-Category:** Liquid Applied Roof Systems  
**Product Approval Method:** Method 1, Option D – Codified Material, Evaluation by Engineer  
**Compliance Statement:** Wite Brite® Liquid Applied Roof Systems, as produced by SR Products, have demonstrated compliance with the following sections of the 8<sup>th</sup> Edition (2023) Florida Building Code 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   |
|----------------------|------------------------|------------|
| 1504.3.1             | Wind resistance        | FM 4474    |
| 1504.6               | Accelerated weathering | ASTM G155  |
| 1504.7               | Impact resistance      | FM 4470    |
| 1507.10.2, 1507.15.2 | Material standard      | ASTM D6083 |

**3. REFERENCES:**

| Entity                 | Examination       | Reference            | Date       |
|------------------------|-------------------|----------------------|------------|
| NEMO (TST6049)         | ASTM D6083        | 4p-SIM-22-SSLAP-01.B | 07/02/2024 |
| ERD (TST6049)          | FM 4474           | SC6860.09.14         | 09/22/2014 |
| FM Approvals (TST1867) | FM 4470/4474      | 3008019              | 05/17/2002 |
| UL LLC (QUA9625)       | Quality Assurance | Service Confirmation | 07/16/2024 |
| UL LLC (QUA9625)       | Quality Assurance | Florida BCIS         | Current    |

**4. PRODUCT DESCRIPTION:**

This PEER covers **Wite Brite Liquid Applied Roof Systems** applied to Approved substrates as outlined in the [Limitations of Use](#) herein. The following products make up the subject systems.

| TABLE 1: COMPONENTS FOR LIQUID APPLIED ROOF SYSTEMS |                                               |                    |      |               |
|-----------------------------------------------------|-----------------------------------------------|--------------------|------|---------------|
| TYPE                                                | PRODUCT                                       | MATERIAL STANDARD  |      | PLANT(s)      |
|                                                     |                                               | REFERENCE          | TYPE |               |
| <b>LIQUID APPLIED MEMBRANE COMPONENTS</b>           | Wite Brite® Elastomeric Coating               | ASTM D6083         | II   | Struthers, OH |
|                                                     | Wite Brite® Elastomeric Coating – Contrast FR | N/A (not codified) |      | Struthers, OH |
| <b>PRIMERS</b>                                      | Wite Brite® Primer                            | N/A (not codified) |      | Struthers, OH |

## 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 not 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 This PEER does not include evaluation of roof edge termination. Refer to **FBC 1504.5** for requirements and limitations regarding edge securement for low-slope roofs.
- 5.6 Refer to **FBC 1511** for requirements and limitations regarding recover installations.
- 5.6.1 For mechanically attached components over existing roof decks, fasteners shall be tested in the existing deck for withdrawal resistance. A qualified design professional shall review the data for comparison to the minimum requirements for the system. Testing shall be in accordance with [ANSI/SPRI FX-1](#) or [Testing Application Standard TAS 105](#).
- 5.6.2 For bonded insulation or membrane over existing substrates in a re-roof (tear off) or recover installation, the existing deck or existing roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance with [ANSI/SPRI IA-1](#), [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#) shall be conducted on mock-ups of the proposed new roof assembly.
- 5.6.3 For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet 1-52](#) or [Testing Application Standard TAS 124](#).
- 5.7 Refer to Appendix 1 for system attachment requirements for wind load resistance.
- 5.7.1 "MDP" = Maximum Design Pressure 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 per **FBC 1504.9** has already been applied). Refer to **FBC 1609** for determination of design wind loads.
- 5.7.2 For mechanically attached components or partially-bonded insulation, the maximum design pressure for the selected assembly shall meet or exceed at least the Zone 1 PRIME design pressure determined in accordance with **FBC Chapter 16**. Elevated pressure zones shall employ an attachment density designed by a qualified design professional to resist the elevated pressure criteria. Commonly used methods are [ANSI/SPRI WD1](#), [FM Loss Prevention Data Sheet 1-29](#), [Roofing Application Standard RAS 117](#) or [RAS 137](#). Assemblies marked with an asterisk\* carry the limitations set forth in **Section 2.2.10.1** of [FM Loss Prevention Data Sheet 1-29](#) for Zone 2/3 enhancements.
- 5.7.3 For assemblies with all components fully bonded in place, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with **FBC Chapter 16**. No rational analysis is permitted for these systems.
- 5.8 All components in the roof assembly shall have quality assurance audit in accordance with **F.A.C. Rule 61G20-3**. Refer to the Product Approval of the component manufacturer for components listed in Appendix 1 that are produced by a Product Manufacturer other than the report holder on [Page 1](#) of this PEER.

**6. INSTALLATION:**

**Wite Brite® Liquid Applied Roof Systems** shall be installed in accordance with **SR Products** current, published installation instructions, subject to the [Limitations of Use](#) noted herein.

**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)

**- THE ONE (1) PAGE THAT FOLLOW FORM PART OF THIS PEER -**

**The following notes apply to the systems outlined herein:**

- 1 The roof system evaluation herein 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.
- 2 For assemblies with all components fully bonded, the maximum design pressure for the selected assembly shall meet or exceed critical design pressure determined in accordance with FBC Chapter 16. No rational analysis is permitted for these systems.
- 3 For bonded insulation or membrane over existing substrates in a recover installation, the roof surface shall be examined for compatibility with the adhesive to be installed. If any surface conditions exist that bring system performance into question, field uplift testing in accordance shall be conducted on mock-ups of the proposed new roof assembly. For bonded insulation or membrane over existing substrates in a recover installation, the existing roof system shall be capable of resisting project design pressures on its own merit to the satisfaction of the Authority Having Jurisdiction, as documented through field uplift testing. Field uplift testing shall be in accordance with [ASTM E907](#), [FM Loss Prevention Data Sheet](#) 1-52 or [Testing Application Standard](#) TAS 124.
- 4 Refer to FBC 1511 for requirements and limitations regarding recover installations.
- 5 For bonded membrane applications, unless otherwise noted, refer to the following.

| LIQUID APPLIED ROOF SYSTEM APPLICATION RATES    |                           |                         |
|-------------------------------------------------|---------------------------|-------------------------|
| PRODUCT                                         | USE                       | APPLICATION             |
| "Wite Brite® Primer"                            | Substrate primer          | 0.5 gal/square          |
| "Wite Brite® Elastomeric Coating"               | Base Coat                 | 1.5 gal/square          |
| "Wite Brite® Elastomeric Coating – Contrast FR" | Base or Intermediate Coat | 1.5 gal/square          |
| "Wite Brite® Elastomeric Coating"               | Top Coat(s)               | 1.0 gal/square per coat |

- 6 "MDP" = Maximum Design Pressure is the result of testing for wind load resistance based on allowable wind loads. Refer to FBC 1609 for determination of design wind loads

**TABLE 1: RECOVER APPLICATIONS**  
**SYSTEM TYPE F: NON-INSULATED, BONDED ROOF COVER**

<sup>A</sup> The reported MDP documents the allowable maximum design pressure of the new roof cover when installed atop the substrate, irrespective of the deck type (See Note 1) or performance of the substrate (See Note 3). The deck and substrate shall be capable of resisting the project design pressure requirements, not to exceed the noted MDP, to the satisfaction of the Authority Having Jurisdiction.

| System No. | Substrate<br>(Notes 1 & 3)                                                                               | Primer<br>(Note 5)             | Roof Cover (Note 5)                                                                |                                             |                                                |                                                                                   | MDP (psf)<br>(Notes 2, 3 & 6) |
|------------|----------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|
|            |                                                                                                          |                                | Base Coat                                                                          | Reinforcement                               | Intermediate Coat                              | Top Coat(s)                                                                       |                               |
| R-1        | Existing EPDM, PVC or TPO single ply roof cover                                                          | "Wite Brite Primer"            | "Wite Brite Elastomeric Coating" or "Wite Brite Elastomeric Coating – Contrast FR" | "SR Poly Plus 40" rolled into wet base coat | "Wite Brite Elastomeric Coating – Contrast FR" | One to three coats, "Wite Brite Elastomeric Coating" at 1.0 gal / square per coat | -785.0                        |
| R-2        | Existing smooth-surface built-up roof (BUR), granule-surface SBS or granule-surface APP modified bitumen | (Optional) "Wite Brite Primer" | "Wite Brite Elastomeric Coating" or "Wite Brite Elastomeric Coating – Contrast FR" | "SR Poly Plus 40" rolled into wet base coat | "Wite Brite Elastomeric Coating – Contrast FR" | One to three coats, "Wite Brite Elastomeric Coating" at 1.0 gal / square per coat | -785.0                        |