



NEMO|etc.

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

ENGINEER

EVALUATE

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CONSULT

EVALUATION REPORT

SOPREMA, Inc.
310 Quadral Drive
Wadsworth, OH 44281
(800) 356-3521

Evaluation Report S11890.04.09-R12
FL9779-R14
Date of Issuance: 04/02/2009
Revision 12: 03/29/2021

SCOPE:

This Evaluation Report is issued under **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 **7th Edition (2020) Florida Building Code** sections noted herein.

DESCRIPTION: SOPREMA Cements, Adhesives and Coatings

LABELING: Labeling shall be in accordance with the requirements of 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 or production facility location(s) changes, or Code provisions that relate to the product(s) change. Acceptance of our Evaluation Reports 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 Evaluation Report relative to updated Code requirements with each Code Cycle.

ADVERTISEMENT: The Florida Product Approval Number (FL#) preceded by the words "NEMO|etc. 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 6.

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 03/29/2021. This does not serve as an electronically signed document.

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 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.
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 Evaluation Report, 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: Cements – Adhesives - Coatings

Compliance Statement: SOPREMA Cements, Adhesives and Coatings, as produced by SOPREMA, Inc., have demonstrated compliance with the following sections of the 7th Edition (2020) 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> |
|---------------------------------|---------------------|-----------------|-------------|
| 1504.6 | Physical Properties | ASTM G154 | 2012 |
| 1507.10.2 | Material standard | ASTM D41 | 2011 |
| 1507.10.2 | Material standard | ASTM D3019 | 2008 |
| 1507.10.2 | Material standard | ASTM D4586 | 2012 |
| 1507.10.2, 1507.14.3, 1507.15.2 | Material standard | ASTM D6083 | 2018 |
| 1507.14.3, 1507.15.2 | Material standard | ASTM D6694 | 2013 |
| 1507.15.2 | Material standard | ASTM C836 | 2015 |
| 1507.15.2 | Material standard | ASTM C957 | 2015 |
| TAS 110 | Material standard | TAS 138 | 1995 |

3. REFERENCES:

| <u>Entity</u> | <u>Examination</u> | <u>Reference</u> | <u>Date</u> |
|--------------------|-------------------------------------|-------------------------|-------------|
| ERD (TST 6049) | Physical Properties, Duotack | S39500.02.12 | 02/23/2012 |
| ERD (TST 6049) | Physical Properties, Duotack Neo | S39500.12.12-R1 | 12/27/2012 |
| ERD (TST 6049) | M-D 13-1362 | S42600.08.15-R2 | 03/21/2016 |
| FM (TST 1897) | FM 4470 | 3009610 | 10/22/2001 |
| FM (TST 1897) | FM 4470/4474 | 3024311 | 11/01/2006 |
| FM (TST 1897) | FM 4470/4474 | 3054633 | 12/18/2015 |
| MTI (TST2508) | ASTM C836 | EX23C3A-R1 | 08/03/2007 |
| NEMO (TST 6049) | Physical Properties, Duotack SPF | SOP-SC16600.01.18-1-R1 | 03/23/2018 |
| NEMO (TST 6049) | M-D 13-1362 | 4S-SOP-18-002.02.19 | 02/04/2019 |
| NEMO (TST 6049) | ASTM D6694 | 4p-SOP-19-SSLAP-02.A | 12/09/2020 |
| PRI (TST5878) | TAS 138 | SOP-010-02-01.03 | 07/26/2011 |
| PRI (TST5878) | ASTM G154, ALSAN Flashing | SOP-021-02-02 | 02/06/2012 |
| PRI (TST5878) | Physical Properties, ALSAN Flashing | SOP-021-02-03 | 02/06/2012 |
| PRI (TST5878) | Physical Properties, ALSAN Flashing | SOP-021-02-04 | 02/06/2012 |
| PRI (TST5878) | Physical Properties, ALSAN Flashing | SOP-021-02-01 | 02/14/2012 |
| PRI (TST5878) | Physical Properties, primers | SOP-049-02-01 | 05/31/2012 |
| PRI (TST5878) | ASTM D3019 | SOP-050-02-01 | 09/12/2012 |
| PRI (TST5878) | Physical Properties, Colply EF | SOP-056-02-01 | 09/12/2012 |
| PRI (TST5878) | ASTM D6694 | PRMA-002-02-01 | 06/14/2013 |
| PRI (TST5878) | ASTM D3019 | ENTL-001-02-01 | 09/06/2016 |
| PRI (TST5878) | ASTM D3019 | ENTL-002-02-01 | 12/01/2016 |
| PRI (TST5878) | ASTM D6083 | EVST-003-02-01 | 07/12/2019 |
| SOPREMA | Traceability | Equivalency declaration | 01/25/2021 |
| UL, LLC (TST 9628) | ASTM E84 | 03CA8935 | 03/31/2003 |
| UL, LLC (QUA 9625) | Quality Control | Service Confirmation | 04/02/2019 |

4. PRODUCT DESCRIPTION:

The following SOPREMA products are acceptable for use in any roof system approval or – for roof coatings – any fire rating directory listing, which refers to the specific product or to the codified ASTM designation for the product.

| PRIMERS | | | | | |
|----------------------|---|-------------------|-----------------|---|---|
| Product | Material Standard | Plant(s) | Container | Approved Use | Rate |
| ELASTOCOL 500 | ASTM D41 | Drummondville, QC | 5 gallon | Brush, roller or spray applied, asphalt-primer for concrete, metal or wood substrates. | 100 – 150 ft ² /gal. depending on substrate porosity |
| ELASTOCOL Stick | <i>(See Product Data Sheet for Physical Properties)</i> | Drummondville, QC | 5 gallon | Brush, roller or spray applied solvent/synthetic rubber primer for concrete, metal or wood substrates or as an inter-ply primer in self-adhering applications. | 100 – 150 ft ² /gal. depending on substrate porosity |
| ELASTOCOL Stick Zero | <i>(See Product Data Sheet for Physical Properties)</i> | Drummondville, QC | 3.78 & 19 Liter | Brush or roller applied, polymer-emulsion primer for masonry, concrete, wood or gypsum substrates to receive self-adhering membranes or as an inter-ply primer in self-adhering applications. | 100 – 400 ft ² /gal. depending on substrate porosity |
| ALSAN RS 222 Primer | <i>(See Product Data Sheet for Physical Properties)</i> | Drummondville, QC | 10 kg container | Primer for asphaltic, roof coverboards and other substrates prior to application of ALSAN RS System | 15 to 30 wet mils, depending on substrate condition |
| ALSAN RS 276 Primer | <i>(See Product Data Sheet for Physical Properties)</i> | Drummondville, QC | 10 kg container | Primer for wood, concrete and other substrates prior to application of ALSAN RS System | 15 to 30 wet mils, depending on substrate condition |

| MASTICS, SEALANTS & FLASHING MATERIALS | | | | | |
|---|------------------------------|-------------------|--|---|--|
| Product | Material Standard | Plant(s) | Container | Approved Use | Rate |
| ALSAN Flashing System (aka, RESISTOFLASH Coating) | ASTM C836 | Drummondville, QC | Flashing Cement: 1, 5 gal. | Polyurethane/bitumen resin, liquid applied flashing with reinforcing fleece for use with BUR and Mod Bit systems | Base Coat: Min. 30 wet mils Finish Coat: Min. 30 wet mils |
| | | | PolyFleece: 39" x 50ft, 8" x 50ft, 4" x 50ft | | |
| COLPLY Flashing Cement | ASTM D4586 | Kansas City, MO | 5 gallon | Elastomeric, bitumen-based mastic for use on flat or ¼:12 or less horizontal slopes for setting drain leads, penetration pockets, pipe flanges, metal gravel stops, etc. | 70 to 140 ft ² /gal. |
| SOPRAMASTIC SBS Elastic Cement | ASTM D4586, Type I, Class II | Drummondville, QC | Caulking tube 10.4 oz | Synthetic rubber plasticized with bitumen and solvents used as a sealant to fill the void area on all self-adhered field and flashing base ply membrane side lap edges not having a bitumen bleed-out and on self-adhering membrane T-joints. | Varies |

| COATINGS | | | | | |
|------------------------------------|-------------------|------------------------------------|--|---|---|
| Product | Material Standard | Plant(s) | Container | Approved Use | Rate |
| ALSAN RS 230 Field or Flash | M-D 13-1362 | Drummondville, QC Wadsworth, OH | 25-kg (Field) or 12-kg (Flash) container | Two-component, rapid curing PMMA acrylic resin used to coat existing low slope roof systems | Base Coat: 3.91 gal/sq. Top Coat: 1.95 gal/sq. |
| ALSAN RS 260 LO Field or Flash | M-D 13-1362 | Drummondville, QC Wadsworth, OH | 25-kg (Field) or 12-kg (Flash) container | Two-component, rapid curing, low-odor PMMA acrylic resin used to coat existing low slope roof systems | Base Coat: 3.91 gal/sq. Top Coat: 1.95 gal/sq. |
| ALSAN TRAFIK RS 730 Field or Flash | M-D 13-1362 | Drummondville, QC Wadsworth, OH | 25-kg (Field) or 12-kg (Flash) container | Two-component, rapid curing PMMA acrylic resin used to coat existing low slope roof systems | Base Coat: 3.91 gal/sq. Top Coat: 1.95 gal/sq. |
| ALSAN COATING AC 401 | ASTM D6083 | Houston, TX | 5 gal. pails; 55 gal. drums | Water-based, acrylic elastomeric roof coating | Two coats at 1.5 gal/sq. per coat |
| ALSAN SIL 402 | ASTM D6694 | New Albany, IN | 5 gal. pails; 55 gal. drums | One-component, high solids, moisture curing silicone roof coating | 1.5 to 3.5 gal/sq. |
| ALSAN COATING SIL 402 | ASTM D6694 | Schoolcraft, MI | 5 gal. pails; 55 gal. drums | One-component, high solids, moisture curing silicone roof coating | 1.5 to 3.0 gal/sq. |
| SOPRALASTIC 124 ALU | TAS 138 | Drummondville, QC | 5 gal. pail | Aluminized bitumen roof coating | 2 gal/square |

| MEMBRANE ADHESIVES | | | | | |
|--------------------|---|-----------------|---|---|--------------------|
| Product | Material Standard | Plant(s) | Container | Approved Use | Rate |
| COLPLY Adhesive | ASTM D3019, Type III | Kansas City, MO | 5 gal. pails; 55 gal. drums; 350 gal. steel totes | Modified bitumen membrane adhesive that is squeegee applied | 1.5 to 2.5 gal/sq. |
| COLPLY EF Adhesive | <i>(See Product Data Sheet for Physical Properties)</i> | Schoolcraft, MI | 5 gal. pails; 50 gal. drums | Modified bitumen membrane adhesive that is squeegee spray applied | 1.5 to 2.5 gal/sq. |

| INSULATION ADHESIVES | | | | | |
|-------------------------------------|---|-------------------|---|--|---|
| Product | Specification | Plant(s) | Container | Approved Use | Rate |
| DUOTACK, DUOTACK 365 or RESISTOBOND | <i>(See Product Data Sheet for Physical Properties)</i> | Drummondville, QC | Four (4) 1500 ml component caulk gun cartridges (dual set) per case or 5-gallon bag-in-box. | Two component adhesive for adhering insulation | Continuous ½ to ¾-inch beads spaced per roof system approval |
| DUOTACK SPF | <i>(See Product Data Sheet for Physical Properties)</i> | New Berlin, WI | Kit containing A & B side components with hose and nozzle | Two component adhesive for adhering insulation or fleece back membrane | INSULATION: Continuous 2.5-inch ribbons spaced per roof system approval FLEECE BACK MEMBRANE: 'spatter' applied at 2.5 to 3.7 lbs/square |

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 Evaluation Report, or previous versions thereof, is/was used for permitting or design guidance unless retained specifically for that purpose.
- 5.2 This Evaluation Report is not for use in FBC High Velocity Hurricane Zone jurisdictions (i.e., Broward and Miami-Dade Counties).
- 5.3 This Evaluation Report 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 Evaluation Report does not include evaluation of fire classification. Refer to **FBC 1505** 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 **SOPREMA Cements, Adhesives and Coatings** are components for use in Approved roof assemblies. Refer to the "Approved Use" in Section 4 for each component. The Cements, Adhesives and 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 as a fire inhibitive coating on roof systems) or where the components are called out in a Roof System Product Approval.
 - 5.5.1 Existing roofs shall be examined for compliance with FBC 1511 to the satisfaction of the Authority Having Jurisdiction
 - 5.5.2 Existing roof systems 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 **SOPREMA Cements, Adhesives and Coatings** shall be installed in accordance with **SOPREMA, Inc.** installation instructions, subject to the Limitations in Section 5 and the Approved Use noted in Section 4.
- 6.2 Allowable Substrates (Coatings):

| TABLE 1: ALSAN RS 230 FIELD OR FLASH, ALSAN TRAFIK RS 730 FIELD OR FLASH OR ALSAN RS 260 LO FIELD OR FLASH | | | | |
|---|--------------------|--------------|-----------------|--------------|
| Substrate* | Primer / Treatment | Base Coat | Fabric | Top Coat |
| APP or SBS modified bitumen, granule-surfaced | ALSAN RS 222 | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |
| SBS modified bitumen, smooth-surfaced | ALSAN RS 222 | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |
| Single Ply, CSPE, existing | ALSAN RS Cleaner | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |
| Single Ply, PVC, existing | ALSAN RS Cleaner | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |
| Plywood | ALSAN RS 276 | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |
| Structural concrete | ALSAN RS 276 | 3.91 gal/sq. | ALSAN RS Fleece | 1.95 gal/sq. |

*Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.

| TABLE 2: ALSAN SIL 402 | | |
|---|--------|-----------------|
| Substrate* | Primer | Coating |
| Galvanized Metal | None | 1.5-2.5 gal/sq. |
| APP or SBS modified bitumen, granule-surfaced | None | 2.5-3.5 gal/sq. |
| Single Ply, EPDM, new or existing | None | 1.5-2.5 gal/sq. |
| Single Ply, PVC, new or existing | None | 1.5-2.5 gal/sq. |
| Spray Applied Polyurethane Foam | None | 1.5-2.5 gal/sq. |

*Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.

| TABLE 3: ALSAN COATING SIL 402 | | | |
|---|---------------------------|--|-----------------|
| Substrate* | Treatment | Primer | Coating |
| APP or SBS modified bitumen, granule-surfaced | None | None | 2.0-3.0 gal/sq. |
| Single Ply, EPDM, new or existing | ALSAN All-Purpose Cleaner | None | 1.5-3.0 gal/sq. |
| Single Ply, PVC, new or existing | None | ALSAN Coating Single Ply Primer at 1.0 gal/sq. | 2.0-3.0 gal/sq. |

**Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.*

| TABLE 4: ALSAN COATING AC 401 | | |
|--|---------------|-----------------------------------|
| Substrate* | Primer | Coating |
| Galvanized Metal | None | Two coats at 1.5 gal/sq. per coat |
| SBS modified bitumen, granule-surfaced | None | Two coats at 1.5 gal/sq. per coat |

**Note: Existing roof system and/or substrate shall meet wind uplift requirements of the project to the satisfaction of the Authority Having Jurisdiction.*

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; (314) 578-3406, k.chancellor@us.ul.com

- END OF EVALUATION REPORT -