

<p style="text-align: center;"><b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b> Housing - Federal Housing Commissioner</p> <p><b>TO: DIRECTORS, SINGLE FAMILY HOCs</b> <b>DIRECTORS, MULTIFAMILY HUBs</b></p>	<p><b>Series and Series Number:</b> <b>MATERIALS RELEASE NO: 1344</b></p>
	<p><b>ISSUE DATE</b> September 14, 2023</p>
	<p><b>REVIEW DATE</b> September 14, 2026</p>
<p><b>SUBJECT:</b></p> <p>1. <b>Product</b>                      A Styrene-Butadiene-Styrene-modified bitumen roofing membrane</p> <p>2. <b>Name and address of Manufacturer</b>      RESISTO, a division of SOPREMA, Inc. 1675 Rue Haggerty Drummondville, Quebec, J2C 5P7 Canada</p>	

Data on the nonstandard product described herein have been reviewed by the Department of Housing and Urban Development (HUD) and determination has been made that it is considered suitable from a technical standpoint for the use indicated herein. This Release does not purport to establish a comparative quality or value rating for this product as compared to standard products normally used in the same manner.

This Materials Release cannot be used as an indication of endorsement or approval by HUD of the described product, and any statement or representation, however made, indicating such approval or endorsement by HUD is unauthorized. See Code 18, U.S.C. 709.

Any reproduction of this Release must be in its entirety.

USE:

RESISTO modified bitumen roofing membranes are Class A and Class C self-adhering roof covering systems used over low slope, combustible roof deck assemblies.

DESCRIPTION:

The roofing membranes covered under this bulletin are described as follow:

- Modified Sopra G is an ASTM D4601 Type II compliant fiberglass reinforced styrene-butadiene-styrene (SBS) elastomeric bitumen coated base sheet nominally 59 mils thick and is supplied in rolls approximately 108 feet (32.9 meters) in length and 3 feet (0.91

meters) in width with a nominal coverage area of 2.97 squares [297-ft<sup>2</sup> (27.6 m<sup>2</sup>)]. Nominal weight of each roll is 34-lbs. per 100-ft<sup>2</sup>.

- SA Nail Base is an ASTM D4601 Type II compliant fiberglass reinforced SBS elastomeric bitumen coated base sheet nominally 80 mils thick and is supplied in self-adhering rolls, approximately 65 feet (20 meters) in length and 39 inches (1 meter) in width with a nominal coverage area of 1.94 squares [194-ft<sup>2</sup> (18 m<sup>2</sup>)].
- RESISTO SA Base is an ASTM D6163 Type I Grade S compliant sand-surfaced fiberglass reinforced SBS elastomeric bitumen base sheet nominally 88 mils thick and is supplied in rolls approximately 49 feet (15 meters) in length and 39 inches (1 meter) in width with a nominal coverage area of 1.59 squares [159.25-ft<sup>2</sup> (14.8 m<sup>2</sup>)].
- RESISTO SA Smooth Ply 40 is an ASTM D1970 compliant self-adhering slip-resistant fiberglass reinforced SBS elastomeric bitumen membrane nominally 40 mils thick with a split-back release film and is supplied in approximately 75 feet (22.9 meters) in length and 3 feet (0.91 meters) in width with a nominal coverage area of 2.25 squares [225-ft<sup>2</sup> (20.8 m<sup>2</sup>)]. Nominal weight of each roll is 23-lbs. per 100-ft<sup>2</sup>.
- RESISTO SA Cap GR, is an ASTM D6163, Type I, Grade G self-adhering mineral surfaced fiberglass reinforced SBS elastomeric bitumen membrane nominally 141 mils thick with a split-back release film supplied in rolls approximately 33 ft (10 meters) in length and 39 inches (1 meter) in width with a nominal coverage area of 1 square [100-ft<sup>2</sup> (33.3 m<sup>2</sup>)]. Nominal weight of each roll is 90-lbs. per 100-ft<sup>2</sup>.

**REQUIREMENTS:**

The RESISTO membrane covered in this report are suitable for use as roof coverings as described in Chapter 15 of the 2015, 2012, 2009, 2006 International Building Code and Chapter 9 of the 2015, 2012, 2009, 2006 International Residential Code. This product shall comply with Tables 1 and 2.

**Table 1 RESISTO Self-Adhering Roofing System Properties**

<b>Properties</b>	<b>Standards</b>	<b>Granulated Cap Sheet</b>
Tensile Strength, MD/XD (23°C)	ASTM D5147	15/14 kN/m (85/80 lbf/in)
Ultimate Elongation, MD/XD (23°C)	ASTM D5147	6/6%
Tear Resistance, MD/XD	ASTM D5147	750/700N (169/157 lbf)
Cold Bending	ASTM D5147	Unaffected at -18°C (-0°)
Static Puncture	ASTM D5147	1100 N (247 lbf)
Peel Strength	ASTM D903	1000 N/m (5.7 lbf/in)

**Table 2 Wind Uplift Resistance Properties**

SYSTEM NO.	ALLOWABLE UPLIFT CAPACITY <sup>1</sup> (lbs/ft <sup>2</sup> )	DECK	BASE PLY				INTERPLY	ATTACHMENT (inches)			CAP PLY	FIRE RATING ANSI/UL790	
			ATTACHMENT (inches)					Lap Width	Tab Spacing	Fastener Spacing		Class	Maximum Incline
	Product		Lap Width	Tab Spacing	Fastener Spacing								
1	-45	Minimum <sup>7</sup> / <sub>16</sub> -inch OSB <sup>2</sup>	SA Base <sup>3,4</sup>	3	36	N/A	N/A				SA CAP FR GR <sup>3,4</sup>	A	½:12
2	-90	Minimum <sup>19</sup> / <sub>32</sub> -inch CDX plywood <sup>6</sup>	SA Nail Base	4	35	6-inch o.c. in 3 evenly staggered lap and field rows <sup>7</sup>	SA Smooth Ply 40 (optional)	3	36	N/A	SA CAP GR <sup>3,4</sup>	C	Unlimited
3	-105	Minimum <sup>19</sup> / <sub>32</sub> -inch CDX plywood <sup>6</sup>	SA Nail Base	4	35	4-inch o.c. in 4 evenly staggered lap and field rows <sup>7</sup>	SA Smooth Ply 40 (optional)	3	36	N/A	SA CAP GR <sup>3,4</sup>	C	Unlimited
4	-127.5	Minimum <sup>19</sup> / <sub>32</sub> -inch CDX plywood <sup>6</sup>	SA Nail Base	4	35	8-inch o.c. in 3 evenly staggered lap and field rows <sup>8</sup>	SA Smooth Ply 40 (optional)	3	36	N/A	SA CAP GR <sup>3,4</sup>	C	Unlimited

<sup>1</sup>2.0 Factor of Safety applied to tested value

<sup>2</sup>Installed with #10 x 2 inch long wood screws 6 inches o.c. at board edges and along wood supports spaced 2 feet o.c

<sup>3</sup>Applied in RESISTO Exterior Primer at 0.5 to 0.75-gal/100-ft.<sup>2</sup>

<sup>4</sup>Self-adhered, 3 inch wide side lap

<sup>5</sup>Installed with 32 ga. 1-5/8 inch diameter tin caps with 1-¼ inch long x 11 ga. annular ring shank nails

<sup>6</sup>Installed with #8 x 2 inch long wood screws 6 inches o.c. at board edges and along wood supports spaced 2-feet o.c.

<sup>7</sup>Installed with 0.120 inch x 1-¼ inch long ring shank roofing nails and 1-5/8 inch diameter tin caps

<sup>8</sup>Installed with 2-7/8 inch long Trufast #12 DP fasteners and 3-inch diameter Metal Insulation Plates

**Table 2 Wind Uplift Resistance Properties**  
(continued)

SYSTEM NO.	ALLOWABLE UPLIFT CAPACITY <sup>1</sup> (lbs/ft <sup>2</sup> ) ANSI/UL 1897, ANSI/FM 4474	DECK	BASE PLY				INTERPLY	ATTACHMENT (inches)			CAP PLY	FIRE RATING ANSI/UL790	
			ATTACHMENT (inches)			Class		Maximum Incline					
			Product	Lap Width	Tab Spacing				Fastener Spacing				
5	-45	Minimum 15/32-inch CDX plywood <sup>2</sup>	SA Nail Base	4	35	8-inch o.c. in 3 evenly staggered lap and field rows <sup>3</sup>	N/A	N/A	N/A	N/A	SA CAP GR <sup>4</sup>	C	Unlimited
6	-45	Minimum 15/32-inch CDX plywood <sup>2</sup>	SA Nail Base	4	35	8-inch o.c. in 3 evenly staggered lap and field rows <sup>3</sup>	SA Smooth Ply 40	3	36	N/A	SA CAP GR <sup>4</sup>	C	Unlimited
7	-105	Minimum 15/32-inch CDX plywood <sup>5</sup>	SA Smooth Ply 40	3	36	N/A	N/A	N/A	N/A	N/A	SA CAP GR	C	Unlimited
8	-112.5	Minimum 15/32-inch CDX plywood <sup>5</sup>	SA Smooth Ply 40	3	36	N/A	N/A	N/A	N/A	N/A	SA CAP GR <sup>4,6</sup>	C	Unlimited
9	-67.5	Minimum 7/16-inch OSB <sup>5</sup>	SA Smooth Ply 40 <sup>6</sup>	3	36	N/A	SA Smooth Ply 40 <sup>6</sup>	3	36	N/A	SA CAP GR <sup>4</sup>	C	Unlimited
10	-75	Minimum 7/16-inch OSB <sup>5</sup>	SA Smooth Ply 40 <sup>6</sup>	3	36	N/A	SA Smooth Ply 40 <sup>6</sup>	3	36	N/A	SA CAP GR <sup>4</sup>	C	Unlimited
11	-60	Minimum 19/32-inch CDX plywood <sup>2</sup>	SA Nail Base	4	35	8-inch o.c. in 3 evenly staggered lap and field rows <sup>3</sup>	N/A	N/A	N/A	N/A	SA CAP GR <sup>4</sup>	C	Unlimited

<sup>1</sup>2.0 Factor of Safety applied to tested value

<sup>2</sup>Installed with 0.113 x 2½ inch long ring shank nails 6 inches o.c. at board edges and along wood supports spaced 2 feet o.c.

<sup>3</sup>Installed with 0.120 inch x 1-¼ inch long ring shank roofing nails and 1-½-inch diameter tin caps

<sup>4</sup>Self-adhered, 3-inch wide side lap

<sup>5</sup>Installed with #10 x 2 inch long wood screws 4 inches o.c. at board edges and along wood supports spaced 2 feet o.c.

<sup>6</sup>Applied in RESISTO Exterior Primer at 0.5 to 0.75-gal/100-ft.<sup>2</sup>

## INSTALLATION REQUIREMENTS:

### General

The product approved in this bulletin shall be installed by registered roofing contractors. The installation procedures shall be in compliance with the latest edition of the RESISTO specification manual, this bulletin, and the published installation instructions. Prior to installing the RESISTO Roofing System, the substrate (deck surface) must be clean, dry, and free of dust, grease, or other contaminants.

1. Prime the substrate with EXTERIOR PRIMER from RESISTO.
2. Position the membrane parallel to the lower edge of the roof.
3. Fold the sheet, to half of its width, or 50 centimeters (20 inches) over the whole length already positioned. It is recommended to kneel on the unfolded portion of the membrane to keep it in place during this operation.
4. Remove the protective film from the folded section while placing the membrane on the support. The pressure-sensitive portion will then adhere to the support.
5. Then take the other side of the membrane and repeat the previous two steps.
6. Immediately apply pressure on the membrane using a heavy metal roller or hard rubber roller to ensure adhesion between the support and the membrane and avoid forming bulges, folds, or gaps.
7. Use non granulated side portion of the membrane to ensure a good overlap of about 10 cm (4 in) from each edge. The overlap must be positioned on the upper side of the slope.

*Note: 15 centimeters (6 inches) overlaps must be sealed with the ELASTOMERIC SEALER applied using a trowel on the granulated portion of the membrane.*

#### CERTIFICATION AND PRODUCT LABELING:

RESISTO shall certify this product listed in this report conforms to the requirements of this MR. Underwriters Laboratory shall validate the manufacturer's certification that the products listed in this report meet the requirements of this MR. Each certified product or its packaging, as identified in this report shall be marked with the following information:

1. SOPREMA/RESISTO – *The Product Name*
2. Underwriters Laboratory
3. Production code traceable to the day and shift of manufacture
4. MR 1344

INSPECTION:

A designated representative of RESISTO shall make inspections of the installation at the following intervals:

1. During installation, to monitor the installation techniques and methods; and,
2. Upon completion, to qualify the installation for a SOPREMA warranty.

MANUFACTURING LOCATIONS:

The product covered under this MR Bulletin will be produced at the following plants:

SOPREMEA, Inc  
310 Quadral Drive  
Wadsworth, OH 44281  
Don Henderson, QA Manager  
330-334-0066 x2222  
[dhenderson@soprema.us](mailto:dhenderson@soprema.us)

SOPREMA, Inc.  
12251 Seaway Road  
Gulfport, MS 39503-6072  
Amandine Tragus, QA Manager  
228-701-1914  
[atragus@soprema.us](mailto:atragus@soprema.us)

SOPREMA, Inc.  
44955 Yale Road West  
Chilliwack, BC V2R 4H3, Canada  
Ryan Myles, QA Manager  
[myles@soprema.ca](mailto:myles@soprema.ca)

SOPREMA, Inc  
1675 Haggerty  
Drummondville, QC J2C 5P7, Canada  
Carl Rompre, QA Manager  
[crompre@soprema.ca](mailto:crompre@soprema.ca)

WARRANTY:

RESISTO offers limited Material and Labor; No Dollar Limit warranties at no charge to the owner. The warranties protect the owner from leaks as a result of defective material. The length of the warranties can vary from 20 to 25 years, depending on the specific system and materials installed.

The manufacturer's warranty does not, in any way, relieve the builder of responsibility under the terms of the Builder's Warranty required by the National Housing Act or under any provisions applicable to any other housing program. A copy of the manufacturer's warranty shall be furnished by the builder to the owner upon completion of the installation.

MANUFACTURER'S RESPONSIBILITIES:

Issuance of this Materials Release (MR) commits the manufacturer to fulfill, as a minimum, the following:

1. Produce, label, and certify the material, product or system in strict accordance with the terms of this MR.
2. Provide necessary corrective action in a timely manner for all cases of justified complaint, poor performance or failure reported by HUD.
3. When requested, provide the Office of Manufactured Housing Programs, HUD Headquarters, with a representative list of properties, in which the material, product or system has been used, including complete addresses or descriptions of locations and dates of installation.
4. Inform HUD in advance of changes in production facilities, methods, design of the product, company name, ownership or mailing address.

EVALUATION:

This MR Bulletin shall be valid for a period of three years from the date of initial issuance or most recent renewal or revision, whichever is later. The holder of this MR Bulletin shall apply for a renewal or revision 90 days prior to the Review Date printed on this MR. Submittals for renewal or revision shall be sent to:

U. S. Department of Housing and Urban Development  
Office of Manufactured Housing Programs  
451 7<sup>th</sup> Street, SW, Room 9170  
Washington, DC 20410-8000

Appropriate User Fee(s) for the TSP program can be submitted through the Pay.gov website at <https://pay.gov/public/form/start/73881741>

The holder of this MR Bulletin may apply for revision at any time prior to the Review Date. Minor revisions may be in the form of a supplement to the MR.

If the Department determines that a proposed renewal or supplement constitutes a revision, the appropriate User Fee for a revision will need to be submitted in accordance with Code of Federal Regulations 24 CFR 200.934, "User Fee System for the Technical Suitability of Products Program," and current User Fee Schedule.

CANCELLATION:

Failure to apply for a renewal or revision shall constitute a basis for cancellation of this MR Bulletin. HUD will notify the manufacturer that the MR may be canceled when:

1. conditions under which the document was issued have changed so as to affect production of, or to compromise the integrity of the accepted material, product, or system,
2. the manufacturer has changed its organizational form without notifying HUD, or
3. the manufacturer has not complied with responsibilities it assumed as a condition of HUD's acceptance.

However, before cancellation, HUD will give the manufacturer a written notice of the specific reasons for cancellation, and the opportunity to present views on why the MR should not be canceled. No refund of fees will be made on a canceled document.

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This Materials Release is issued solely for the captioned firm and is not transferable to any person or successor entity.  
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