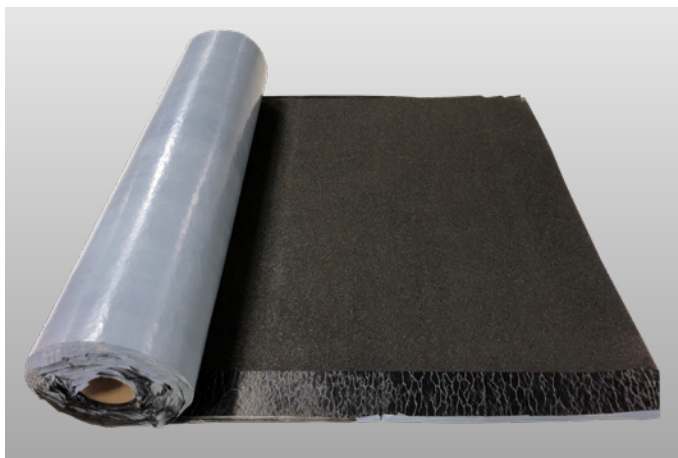


SureMB 70 SA Base Ply

Sand-Surfaced SBS Membrane



Overview

SureMB 70 SA Base Ply is a smooth sand surface SBS (Styrene-Butadiene-Styrene) self-adhered membrane. Manufactured with a fiberglass mat that is saturated and coated with a premium quality bitumen with durable SBS elastomer with a poly release liner for easy installation.

It is designed to be used as an air and vapor barrier and/or a temporary roof (for up to 90 days). Insulation may be adhered directly to the SA 70 using our Flexible FAST adhesive.

SureMB 70 SA can be used in Carlisle's multiple ply systems as a base ply. Our AFX TPO, AFX EPDM, or FleeceBACK KEE HP can be install over SA 70 Base using type III or IV asphalt or Cold-Applied Adhesive. Standard FleeceBACK product can be adhered with Flexible FAST.

Features and Benefits

- » 70-mil-thick reinforced membrane offers excellent durability in temporary roof applications
- » Compatible with Flexible FAST™ Adhesives
- » Selvage edge to ensure watertight seams
- » Tenacious SBS adhesive backing
- » Compatible with hot asphalt and cold applied adhesive for membrane attachment
- » May be exposed for up to 90 days
- » Compatible with VapAir Seal™ Flashing foam

Ratings and Certifications

- » Meets ASTM 6163 Type 1 Grade S
- » FM Approved (when used as Vapor Barrier)
- » UL Approved (when used as Vapor Barrier)

Installation

1. Ensure substrate is clean, dry and free of moisture.
2. Acceptable substrates include concrete, DensDeck® Prime or SECUROCK®, OSB and SecurShield® options.
3. Prime the substrate with CCW-702 or CAV-GRIP® III.
4. Substrate must be 40°F (4.4°C) prior to installation. Supplemental heat may be used to warm the substrate.
5. Option 1 – Roll out the membrane to align the roll. Fold the sheet back halfway the length of the sheet. Remove the release liner and set in place. Repeat the process on the opposite half. Roll the membrane in with a 100–150 lbs. roller.
6. Option 2 – Roll out the membrane 10–15 feet to align the sheet. Pull back release liner 6–12" and adhere the starting edge of the roll. Roll the sheet back up evenly. Pull the release liner to roll the sheet in. Roll membrane with a 100–150 lbs. roller.
7. Roll the seams with a 2" or standup seam roller.
8. In lower temperatures below 40°F (4.4°C), heat may be applied to ensure proper contact of the seam. If it will be a temporary roof, heat welding the seams is recommended.

Review Carlisle specifications and details for complete installation information.

Precautions

- » Materials (rolls and primer) must be kept above 60°F (15.5°C)
- » Shelf life is 12 months from manufacture date when stored indoors in temperatures below 90°F (32°C)

Dimensions

Property	70 SA
Product Code	335630
Size	39 3/8" x 61' (1m x 18.6m)
Coverage	200 ft ² (175 ft ² approx. yield)
Weight	78 lbs
Packaging	25 Rolls per Pallet
Thickness	70 mils (1.78 mm)

SureMB 70 SA Base Ply

Sand-Surfaced SBS Membrane

Typical Properties and Characteristics

Physical Properties	Test Method	Test Results	Requirement	
			Type I	Type II
Tensile Strength (lbf/in), 73°F (MD/XMD)	ASTM D5147	66/55 lbf/in		
Elongation (% @ Max Load), 73°F (MD/XMD)	ASTM D5147	10%		
Low Temperature Flexibility , (°F), maximum	ASTM D5147	-8°F (-22°C)		
Water Vapor Permeance	ASTM E96	0.012 perms		
High Temperature Stability , (°F)	ASTM D5147	239°F (115°C)		
Breaking Strength , lbf/in. 10 specimens; 1" x 6" Cond. 2h @ 73±4°F & 50±10%RH Test @ 73±4°F & 50±10%RH; Rate=2in./min	ASTM D146 MD CD	 68 30	 ≥22 ≥22	 ≥44 ≥44
Pliability , (No. of failures) 10 specimens; 1" x 8" Immerse in H ₂ O for 10-15min @ 77±2°F Bend 90° in 2s over 0.50" radius @ 73±4°F	ASTM D146 MD CD	 Pass Pass	 0 0	 0 0
Unrolling , (Pass/Fail) 4 specimens; 10" x 18" Cond. 24h @ 70±4°F & 50±-5%RH Expose 2h at temp. Unroll in 4-6s	ASTM D5636/ ASTM D4869 Temp=40°F Temp=140°F	 Pass Pass	The product shall not crack nor be sticky as to cause tearing or other damage Pass	The product shall not crack nor be sticky as to cause tearing or other damage Pass
Width of the roll , in.	ASTM D228	39.4	36±0.7% or As Agreed	36±0.7% or As Agreed
Area of the roll , ft ²	ASTM D228	157	As Agreed	As Agreed
Net Dry Mass-coated sheet , lb/100ft ²	ASTM D228 Average of rolls Individual roll	NT 43.7	≥13.4 ≥12.8	≥15.5 ≥14.5
Moisture ¹ , % by wt.	ASTM D146/D95	0.3	≤1.0	≤1.0
Mass of desaturated glass mat , lb/100ft ²	ASTM D228	1.9	≥1.4	≥1.7
Surfacing and stabilizer , % by wt.	ASTM D228	17	≤70	≤65
Asphalt , lb/100ft ²	ASTM D228	24.6	≥5.6	≥7.0
Ash (glass mat only) , % by wt.	ASTM D228	76	70-88	70-88

¹Moisture (As received) was utilized in lieu of Moisture at Point of Manufacture
NT-Not Tested

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Manufacturing Location	Fort Worth, TX
------------------------	----------------