



Product Data Sheet

MULE-HIDE SA-SBS CAP SHEET (FR)

PRODUCT DESCRIPTION

Mule-Hide's SA-SBS Cap Sheet (FR) is a premium polyester reinforced modified bitumen membrane with a fire retardant additive, manufactured to meet the toughest industry and code requirements. The Mule-Hide SA-SBS Cap Sheet (FR) is manufactured via **Adeso™** dual-compound technology, whereby the membrane consists of a Styrene Butadiene Styrene (SBS) modified asphalt compound on top and a pressure sensitive adhesive compound on the bottom. The adhesive is covered with a split release liner. Mule-Hide SA-SBS Cap Sheet (FR) is finished with granules on the top surface, except for the selvedge edge and end lap, which are granular free. SA-SBS Cap Sheet (FR) is also used as a flashing membrane in all applicable specifications. Meets ASTM D-6164 Type 1, Grade G (granular) / ASTM D-1970.



BASIC USES

SA-SBS Cap Sheet (FR) membranes are specially designed for applications where the use of hot asphalt, cold process adhesive, or a propane torch is undesirable. Applications include new roofing, recover (retrofit) and BUR repairs. This system must be installed over an acceptable base sheet, roof insulation, or other suitable substrate. Do not apply to shingles, shakes or other residential roofing material. See the Mule-Hide Self-Adhered Modified Bitumen Application Guidelines for complete specifications and details.

SPECIFICATIONS

PRODUCT NAME	THICKNESS mm (mils)	APPROXWEIGHT lb/roll	ROLL SIZE	ROLLS/PALLET	COVERAGE (sq)
SA-SBS Cap Sheet (FR)	3.5 (140)	90	32' 10" x 39-3/8" (10mx1m)	20	100 ft ²

TEST METHOD	TECHNICAL DESCRIPTION	VALUES
ASTM D5147	Peak load at 73.4 ± 3.6°F (23 ± 2°C), MD & XMD, min, lbf/in. (kN/m)	50 (8.8)
ASTM D5147	Elongation at 73.4 ± 3.6°F (23 ± 2°C), MD & XMD, min, %	35%
ASTM D5147	Tear strength at 73.4 ± 3.6°F (23 ± 2°C), min, lbf (N)	55 (246)
ASTM D5147	Low temperature flexibility, max, °F (°C)	0°F (-18°C)
ASTM D5147	Granule Embedment, max, g	2
ASTM D1970	Adhesion to Plywood @ 40°F (4.4°C), min lbf / ft width	2.0
ASTM D1970	Adhesion to Plywood @ 40°F (4.4°C), min lbf / ft width	12.0
ASTM D1970	Sealability around nail	Pass
ASTM D1970	Waterproof integrity after low temp flexibility	Pass
ASTM D1970	Waterproof integrity of lap seam	Pass

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 or specification range for any particular property of this product.

SYSTEM BENEFITS

1. Pre-applied adhesive on the back of the sheet.
2. Lightweight roll sizes and available in a variety of colors
3. Durable - high performance reinforcement mat.
4. No hot asphalt, fumes or flames required for installation.
5. Excellent long term adhesion to multiple substrates and to base plies.
6. Offers low-temp flexibility, puncture and tear resistance

CODE APPROVALS



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Various code approvals are available including: Factory Mutual, Underwriters Laboratories, Miami-Dade, Florida Product Approval, ICC-ESR and Texas Department of Insurance. Contact Mule-Hide Technical Department for specific ratings.

INSTALLATION INSTRUCTIONS (See complete application instructions)

SA-SBS Cap Sheet (FR) is intended to be used as a Cap Sheet (FR) for new or re-roofing applications. SA-SBS Cap Sheet (FR) can be installed over Mule-Hide Nail Base, SA-Base Sheet or a suitable substrate.

1. Starting at the low point of the roof, install Mule-Hide SA Cap Sheet (FR) over approved substrate. Unroll the SA Cap Sheet (FR) and verify that side laps and end laps do not align with existing sheets. Cut SA-Cap Sheet (FR) as needed to ensure that side laps and end laps do not align with existing sheets..
2. After positioning the sheet, fold the top half of the sheet back lengthwise, remove the release liner and roll the material back into place, taking care to avoid wrinkles and trapped air, and maintaining proper alignment.
3. Firmly hand press sheet from the center out avoiding wrinkles and trapped air as the SA Cap Sheet (FR) adheres to the SA Base Sheet or Nail Base or approved substrate.
4. Repeat procedure to adhere remaining half of the sheet.
5. After the sheet is adhered, it is required to be rolled with a 75 lb. roller.
6. Position subsequent sheets to overlap the previous courses by the width of the selvage edge (overlap in a shingle fashion ensuring that laps are water shedding).
7. Repeat procedures 2 thru 5 above. Remember to remove the release film from the **FASTLap®** and **SEALLap®** edges prior to adhering the lower half of the SA Cap Sheet (FR). **Note:** When completing end laps, cut the top corner of the top sheet on a 45-degree angle (start the cut 3" in from the top edge and finish down 3" from the top edge) and the bottom corner of the bottom sheet on a 45-degree angle (start the cut 3" in from the bottom edge and finish 3" up from the bottom edge). Apply a solid bead of Mule-Hide Mod Bit Sealant along both cut edges. Roll entire sheet into place using a 75 lb. roller. Stagger end laps approximately three feet apart.

This is only a brief summary and NOT the complete specification. The Mule-Hide Self-Adhered Modified Bitumen Application Guidelines, Specifications, Details, Technical Bulletins, associated documents should be thoroughly reviewed prior to starting any project.

PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at www.mulehide.com for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. This product may be eligible for a Mule-Hide warranty, please check the Mule-Hide website at www.mulehide.com or contact Mule-Hide directly at 800-786-1492 for details. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the alleged failure before repairs are made.