



Nail Base

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PRODUCT DESCRIPTION

Nail Base is a premium fiberglass reinforced, SBS (elastomeric) modified bitumen membrane manufactured to meet the toughest industry and code requirements. Nail Base is manufactured with a Styrene Butadiene Styrene (SBS) modified asphalt compound that exhibits exceptional waterproofing and weathering properties. Nail Base is finished with a polyolefin film with printed lay lines on the top surface. Meets ASTM D6163 Type 1, Grade S.

BASIC USES

Nail Base membranes are designed for mechanical attachment. Applications include new roofing, recover (retrofit) and BUR repairs. This system must be installed over an acceptable roof deck, roof insulation, or other suitable substrate. Nail Base can be used as a mechanically attached base sheet in self-adhered or torch applied systems. See the Mule-Hide Modified Bitumen Application Guidelines for complete specifications and details.



SPECIFICATIONS AND PACKAGING

Thickness	Approx. Weight	Roll Size	Rolls/Pallet	Approx. Coverage
2.0 mm (80)mils	106 lb./roll	65'8"x39 3/8" (20mx1m)	20	200 ft ²

Physical Properties	Test Method	ASTM Values	Typical Performance
Peak Load at 0°F (-18°C)	ASTM D5147	70 lbf/in. (12.3) kN/m	121 lbf/in (21.2 kN/m) -MD 102 lbf/in (17.9 kN/m) -XMD
Elongation at Peak Load at 0°F (-18°C)	ASTM D5147	1%	5% MD, 5% XMD
Peak Load at 73°F (23°C)	ASTM D5147	30 lbf/in. (5.3) kN/m	78 lbf/in (13.7 kN/m) -MD 45 lbf/in (7.9 kN/m) -XMD
Elongation at Peak Load at 73°F (23°C)	ASTM D5147	2%	5% MD, 4% XMD
Ultimate Elongation at 73°F (23°C)	ASTM D5147	3%	33% MD, 39% XMD
Tear Strength at 73°F (23°C)	ASTM D5147	35 lbf/in. (156) kN/m	150 lbf/in (667 kN/m) -MD 79 lbf/in (351 kN/m) -XMD
Low Temperature Flexibility, Maximum	ASTM D5147	0°F (-18°C)	Pass
Dimensional Stability, Max %	ASTM 5147	0.50%	0.1% MD, 0.1% XMD
Compound Stability (Pass/Fail)	ASTM 5147	215°F (102°C)	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.

PRODUCT BENEFITS

1. Durable - high performance fiberglass reinforcement mat.
2. No hot asphalt, fumes or flames required for installation.
3. Offers low-temp flexibility, puncture and tear resistance.
4. May be used with self-adhered or torch applied systems.

CODE APPROVALS

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.

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INSTALLATION INSTRUCTIONS

Nail Base is intended to be used as a suitable surface to adhere to in new or re-roofing applications, and requires the installation of a cap sheet to complete the roofing system.

1. Nail Base shall be mechanically attached to a suitable substrate.
2. Starting at the low point of the roof, position Nail Base over substrate. Ensure that polyolefin film is on the top side (with lay lines) and sand finish is on the bottom.
3. Position Nail Base with approximate 4" overlap on side laps (1st lay line) and end laps.
4. Attach Nail Base to substrate using appropriate fasteners (min. 32 ga., 1-5/8-inch diameter tin caps with 12 ga. annular ring shank nails or #12 DP fasteners and 3" insulation plates). Typical attachment patterns are:
 - a. FM 1-60 pattern: Fasten 12" on center in the seams and one row fastened 18" on center in the center of the sheet. See Detail MH-MB-NB FM 1-60
 - b. FM 1-90 pattern: Fasten 12" on center in the seams and two rows stagger fastened 18" on center thru the center of the sheet. See Detail MH-MB-NB FM 1-90
 - c. Other attachment patterns may be applied based on the wind uplift requirements of the system.
4. Once Nail Base has been installed, promptly cover with appropriate torch applied or self-adhering base or cap sheets.
5. Nail Base is not watertight as ply laps are not sealed. Nail Base is attached with fasteners.

This is only a brief summary and NOT the complete specification. The Mule-Hide Modified Bitumen Application Guidelines, Specifications, Details, Technical Bulletins and 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

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