



APP Torch S Premier

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PRODUCT DESCRIPTION

APP Torch S Premier membrane is a premium, polyester reinforced APP modified bitumen roofing membrane designed for heat-welded (torch) applications. Constructed with premium Atactic Polypropylene resins and incorporating superior polyester reinforcing, APP Torch S Premier provides an easy-to-install, long-term weathering durable roofing solution. APP Torch S has a sanded surface and a polyolefin backing. APP Torch S Premier exceeds all minimum ASTM standards for tensile strength, puncture resistance and flexibility. Meets ASTM D6222 Type 1, Grade S requirements.



BASIC USES

APP Torch S Premier membrane is designed for application as a heat-welded (torch) applied base, interply or cap sheet or flashing. Applications include new roofing, recover (retrofit) and flashing details. The system must be installed over an acceptable substrate or as part of a multi-ply system. It is not intended to be installed directly to a combustible substrate.

SPECIFICATIONS AND PACKAGING

Thickness	Approx. Weight	Roll Size	Rolls/Pallet	Coverage
4.0 mm (160)mils	89 lb./roll	32' 10"x39 3/8" (10mx1m)	23	100 ft ²

Physical Property	Test Method	ASTM Values	Typical Performance
Peak Load at 73°F (23°C) min	ASTM D5147	50 lbf/in. (8.8) kN/m	106 lbf/in (18.6 kN/m) -MD 72 lbf/in (12.6 kN/m) -XMD
Elongation at Peak Load at 73°F (23°C)	ASTM D5147	23%	48% MD, 61% XMD
Peak Load at 0°F ± 3.6°F (-18° ±2°C)	ASTM D5147	60 lbf/in. (10.5) kN/m	154lbf/in (27 kN/m) -MD 112 lbf/in (19.6 kN/m) -XMD
Elongation at 0° F ± 3.6°F (-18° ±2°C) % min	ASTM D5147	10%	42% MD, 43% XMD
Ultimate Elongation at 73°F (23°C)	ASTM D5147	30%	56% MD, 69% XMD
Tear Strength at 73°F (23°C)	ASTM D5147	70 lbf (311) N	140 lbf/in (623 kN/m) -MD 98 lbf/in (436 kN/m) -XMD
Low Temperature Flexibility, max, F° (C°)	ASTM D5147	32°F (0°C)	Pass
Dimensional Stability % change (Maximum)	ASTM D1547	1%	0.2% MD, 0.1% XMD
Compound Stability (maximum)	ASTM D5147	230°F (110°C)	Pass
Water Absorption % max	ASTM D5147	3.2%	<3.2%
Moisture Content % max	ASTM D5147	1%	.03%
Low Temperature Unrolling, max	ASTM D5147	41°F (5°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

- Exceptional weathering characteristics
- Puncture and tear resistance
- Low-temperature flexibility
- Exceptional tensile strength and elongation properties
- Top surface is sanded and has a light brown color

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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.

APPLICATION GUIDELINES

- Apply one or more layers over a clean, dry, dust and debris free acceptable substrate.
- Concrete decks must first be primed with Mule-Hide 121 asphalt primer
- When re-roofing, remove all existing roofing materials down to a clean, dry substrate. Ensure that all abandoned roof projections are properly closed off.
- Concrete and steel roof decks are to be designed with proper expansion joints.
- Wood decks should have all joints blocked and properly supported.
- Verify the fire rating of the roofing assembly over any combustible substrate.
- Ensure that the installation of APP Torch Base Premier does not prevent the ventilation of the existing construction.
- Do not apply over shingles or any granulated surface.

INSTALLATION INSTRUCTIONS

APP Torch S Premier is intended to be used as the primary weathering surface in new or re-roofing applications and is to be applied as the outermost layer of a multi-ply roofing system over a compatible Mule-Hide base sheet or interply sheet as a cap sheet or flashing. APP Torch S Premier may also be applied directly to non-combustible substrates.

When installing APP Torch S Premier

1. Start at the low point of the roof.
2. Unroll the material and allow to relax in the sun for at least 15 minutes.
3. Install with traditional torch roofing techniques ensuring proper heating of the roofing material as not to expose the reinforcement.
4. Do not heat the substrate. Do not overheat the material to expose or compromise the reinforcement.
5. Position successive rolls providing a minimum 6" end lap and 3" side lap. Asphalt bleed out shall be 1/4" to 3/8" on all seams.
6. It is suggested but not mandatory that laps shall be rolled with a 6" wide roller immediately after heat-welding.

Details and flashings may be installed using APP Torch S Premier with torch applied techniques. Do not use cold adhesives or hot asphalt. Check Mule-Hide published details for proper installation requirements.

This is only a brief summary and NOT the complete specification. The Mule-Hide APP 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.

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