



# Product Data Sheet

## MULE-HIDE APP TORCH BASE

### PRODUCT DESCRIPTION

Mule-Hide's APP Torch Base is a APP modified bitumen roofing membrane base sheet, reinforced with a fiberglass mat, saturated and coated with a polymerized asphaltic compound, and has exceptional waterproofing and weatherability characteristics. The top and bottom surfaces of the Mule-Hide APP Torch Base are finished with a poly film. Meets ASTM D 6509 Type 1 requirements.



### BASIC USES

APP Torch Base membranes are designed for application as either a mechanically fastened or heat-welded (torch) applied base or interplay sheet. Applications include new roofing, recover (retrofit) and flashing detail. The system must be installed over an acceptable substrate or as part of a multi-ply system. APP Torch Base membrane can also be used as a base sheet for self-adhered modified bitumen systems.

### TYPICAL PHYSICAL PROPERTIES

Product Name	Thickness mm (mils)	Weight lb/roll	Roll Size	Rolls / Pallet	Coverage per roll
<b>APP Torch Base</b>	2.0 (80)	86	65'-8" x 39 3/8" (20m x 1m)	20	200 ft <sup>2</sup>

Test Method	Property	Typical Values
ASTM D5147 Sec 5	Thickness, typical, mm (mils)	2.0 (80)
ASTM D228 Sec 7	Net mass / unit area, min, lbs / 100 ft <sup>2</sup> (g / m <sup>2</sup> )	40 (4150)
ASTM D5147 Sec 16	Bottom side coating thickness, min, mm (mils)	30 (0.76)
ASTM D5147 Sec 6	Peak Load @ -18°C ± 2°C (0°F ± 3.6°F), MD and XMD, min, kN/m (lbf/in.)	12.2 (70)
ASTM D5147 Sec 6	Elongation @ -18°C ± 2°C (0°F ± 3.6°F), MD and XMD, min (%)	1
ASTM D5147 Sec 6	Peak Load @ 23°C ± 2°C (73.4°F ± 3.6°F), MD & XMD, min, kN/m (lbf/in.)	8.8 (50)
ASTM D5147 Sec 6	Elongation @ 23°C ± 2°C (73.4°F ± 3.6°F), MD and XMD, min (%)	2
ASTM D5147 Sec 7	Tear Strength @ 23°C ± 2°C (73.4°F ± 3.6°F), min N (lbf)	311 (70)
ASTM D5147 Sec 11	Low Temperature Flexibility, max, before and after heat conditioning, max	0°C (32°F)
ASTM D5147 Sec 10	Dimensional stability, max change	0.2%
ASTM D5147 Sec 15	Compound stability, min	110°C (230°F)
ASTM D5147 Sec 9	Water absorption, max	3.2%
ASTM D5147 Sec 8	Moisture content, max	1%
ASTM D5636	Low temperature unrolling, max	5°C (41°F)

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.

### BENEFITS & SUPPLEMENTAL STATEMENTS

- Exceptional weathering characteristics
- Puncture and tear resistance
- Superior flexibility and dimensional stability

### CODE APPROVALS/COMPLIANCE

A variety of Factory Mutual Ratings, Underwriters Laboratories Classifications, Texas Department of Insurance and Florida Product Approvals are available. Contact Mule-Hide Warranty Department for additional information.

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## **INSTALLATION INSTRUCTIONS**

APP Torch Base is intended to be used as a base sheet or interply in new or re-roofing applications, and may be either mechanically fastened or heat-welded (torch) applied. APP Torch Base requires the installation of a compatible granulated cap sheet to complete the roofing system.

- 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 does not prevent the ventilation of the existing construction.
- Do not apply over shingles or any granulated surface.
- When installing APP Torch Base
  - Start at the low point of the roof.
  - Unroll the material and allow to relax in the sun for at least 15 minutes.
  - Install with traditional torch roofing techniques ensuring proper heating of the roofing material as not to expose the reinforcement.
  - Do not heat the substrate.
  - 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.

This is only a brief summary and NOT the complete specification. 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](http://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](http://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.