

MULE-HIDE HP PROTECTIVE MAT

PRODUCT DESCRIPTION

A nominal 6.0-ounce per square yard (140 grams per square meter) UV resistant polypropylene needle punched fabric.

BASIC USES

Can be used above the membrane as a slipsheet for crushed stone or pavers or below the membrane as a minimum underlayment mat for Mule-Hide's Mechanically-Attached or Ballasted System applications. Consult current specifications for underlayment requirements.

TYPICAL PHYSICAL PROPERTIES

Description	ASTM Test Method	Average Roll Values
Tensile Strength (Grab)	D 4632	160 lbs. (68 Kg)
Burst Strength (Mullen)	D 3786	350 psi (2413 kPa)
Elongation (Ultimate)	D 4632	> 50%
Puncture Strength	D 4833	90 lbs. (41 Kg)
Trapezoidal Tear	D 4533	65 lbs. (30 Kg)
UV Resistance (500 Hr St. Ref)	D 4355	> 70%
Permeability Coefficient	D 4491	0.2 cm/sec
pH Resistance		2 - 13
Thickness		0.65 in (1.65 mm)

PACKAGING

Packaged in rolls 15' x 300' (4.6m x 92m)
Coverage: 4500 SF (405 SM)
Weight per Roll: 210 lbs (83Kg)
Roll Diameter: 18 in (460 mm)

INSTALLATION INSTRUCTIONS

Mechanically Attached Roofing Systems: Install Mule-Hide HP Protective Mat over the substrate with all edges overlapped a minimum of 3" (75 mm). HP Protective Mat must be fastened to the roof deck with a minimum of one insulation fastener and plate per every 4 square feet.

Ballasted Roofing Systems: When specified under Mule-Hide roofing membrane, position the Mule-Hide HP Protective Mat loosely over the substrate with all edges overlapped a minimum of 6" (150 mm). The roofing membrane must be positioned to completely cover the previously installed HP Protective Mat.

The HP Protection Mat can also be installed on top of the Mule-Hide roofing membrane as a protection layer, typically under pavers or crushed stone. After completing all of the membrane and flashing seams, loosely lay the Mule-Hide HP Protective Mat over the membrane with the side laps overlapped a minimum of 6" (150 mm) and end laps overlapped 12" (300 mm). Prior to placement of ballast, extend the HP Protective Mat a minimum of 2" (50 mm) above the anticipated ballast level at the perimeter and penetrations, except at roof drains and scuppers.

The fabric must extend to drain bases and scupper openings but must not cover or restrict flow to the drains. Additional matting must be installed around penetrations to prevent direct contact between crushed stone and flashing.

INSTALLATION INSTRUCTIONS (Continued)

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Note: Following placement of the fabric, install ballast, temporary ballast, or spot adhere with bonding adhesive to prevent the movement or displacement of unballasted fabric.

PROTECTION & SAFETY

This product is not hazardous as defined in CFR 1910.1200.
Dust may be irritating to respiratory tract and eyes.
Material is flammable. Do not expose to flame.

Mule-Hide maintains Material Safety Data Sheets on all of its products. Material 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 Material 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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