

HP Protective Mat



Overview

Versico's HP Protective Mat is a nominal 6 ounce per square yard (159 grams per square meter) UV resistant polypropylene, needle punched fabric. HP Protective Mat is installed atop EPDM membrane as a slipsheet for crushed stone or pavers or below the membrane as a minimum underlayment mat for Versico's Mechanically Attached or Ballasted System installations.

Features and Benefits

- Provides added protection against membrane punctures
- Can be used in applications above or below roofing membrane
- UV-resistant

HP Protective Mat

Roll Size	15' x 300' (4.6m x 92m)
Area per Roll	4,500 sq ft (405 sq meters)
Weight per Roll	175 lbs. (69 Kg)
Thickness	.065 in. (1.65 mm)
Roll Diameter	18 in. (460 mm)

Installation

Mechanically Attached Installation

When specified under EPDM membrane, install HP Protective Mat over the substrate with all edges overlapped a minimum of 3".

HP Protective Mat must be attached to the roof deck; however, on mechanically attached systems, the seam fastening plates used to attach the membrane will provide adequate fastening for the mat.

When the mat is not attached with the seam fastening plates used to attach the membrane, an acceptable fastener and plate must be installed every 50 linear feet (15 M). Spot bonding the HP Protective Mat with Versico bonding adhesive is an acceptable alternative to mechanical attachment.

Ballasted Installation

When specified under EPDM membrane, position HP Protective Mat loosely over the substrate with all edges overlapped a minimum of 6".

The EPDM membrane must be positioned to completely cover the previously installed HP Protective Mat.

When required above EPDM membrane under the pavers or crushed stone, position HP Protective Mat loosely over the membrane after completing all membrane and flashing seams. Adjacent edges must be overlapped a minimum of 6" (150 mm); end rolls must overlap 12" (300 mm). Prior to placement of ballast, extend the HP Protective Mat a minimum of 2" above the anticipated ballast level at the perimeter and penetrations except the roof drains and scuppers.

The HP Protective Mat 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.

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

Precautions

- 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 open flame.

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Typical Properties and Characteristics

Physical Property	Test Method	Average Roll Values
Tensile Strength (Grab)	ASTM D 4632	120 lbs (51 Kg)
Burst Strength (Mullen)	ASTM D 3786	100 psi (689 kPa)
Elongation (Ultimate)	ASTM D 4632	> 50%
Puncture Strength	ASTM D 4833	40 lbs. (18 Kg)
Trapezoidal Tear	ASTM D 4533	50 lbs. (23 Kg)
UV Resistance (500 Hr St. Ref)	ASTM D 4355	> 70%
Permeability Coefficient	ASTM D 4491	0.2 cm/sec
pH Resistance	–	2 – 13

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 range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Athens, GA



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