Product Data Sheet



Product Name

Item Description	Item Number
Roll 15' x 320' (4.6 mm x 97.5 m)	W593589000

Description

Protection Mat is a nominal 4.5 oz/yd² (152.6 g/m²) black synthetic, non-woven, needle-punched, Geotextile fabric. It may be used as a protection mat (under membrane), a crushed stone mat (above membrane), or as a stone protection mat in ballasted systems where allowed by GenFlex Specifications and Details. The Protection Mat resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids.

Method of Application

1. Unroll the Protection Mat overlapping side laps a minimum of 3" (76.2 mm) and end laps a minimum of 6" (152.4 mm). **NOTE:** Wetting the mat or roof membrane will facilitate handling.
2. Extend mat up penetrations and vertical surfaces past the height of gravel a minimum of 2" (50.8 mm).
3. Around penetrations where mat is cut, install an additional piece of mat overlapping a min. 6" (152.4 mm).
4. Once mat is positioned, install gravel ballast to protect against mat movement and sunlight.
5. Coordinate installation of the roof system so that the Protection Mat is completely covered by the end of each working day.

Storage

- Store in original unopened containers protected from the weather.
- Do not store near heat, flames, or strong oxidants.
- Store in cool, dry locations away from oxidizing material and UV radiation.

Precautions

- Keep away from flame or ignition source.
- Do not smoke when using.
- Do not cover deck openings, skylights, etc., with mat.
- Keep mat covered to protect from U.V. degradation.

ENVIRONMENTAL METRICS

Recycled Content	
Post-Consumer	0%
Post-Industrial	0%
Pre-Consumer	5% by Weight

TYPICAL PROPERTIES

Properties	Value
Color	Black
Tensile Strength (Grab), minimum	120 lb (54.4 kg), ASTM D-4632
Elongation, minimum	40% min, ASTM D-4632
Trapezoidal Tear, minimum	50 lb (22.7 kg), ASTM D-4533
Burst Strength	335 psi (2310 kPa), ASTM D-3786
Accelerated Weathering	500-hour UV exposure followed by tensile testing: Retain 70% tensile after 500 hours of UV weathering, ASTM D-4355
Permeability, min	0.047 in/second (0.12 cm/second), ASTM D-4491
CBR* Puncture Strength, minimum	310 lb (141 kg), ASTM D-6241
Packaging	---
Material Width	15' -0/+1' (4.6 m -0/+0.3 m)
Material Length	320' -0/+2' (97.5 m -0/+0.6 m)
Roll Diameter	20" (508 mm)
Gross Weight	180 lb/roll (81.7 kg/roll)
Area	4,800 ft² (445.9 m²)
*CBR = California Bearing Ratio	

Please contact Amrize Technical Services at 800-428-4511 for further information.

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