

DESCRIPTION

Elevation™ DM1 Balcony Drainage Mat is a low profile drainage mat designed to create a sub-concrete drainage plane to quickly and efficiently remove water from the balcony. At just 1/8" (3.5mm) total thickness, DM1 does not require modifications to the framing or T-bar dimension.



Elevation™DM1 is a cylindrical studded membrane made with UV Stabilized polyolefin bonded to a polypropylene filter fabric. Once installed DM1 creates a continuous sheet of polyolefin plastic covering the entire surface of the balcony, providing an additional layer of water protection and a physical protective barrier to help protect/prevent damage to the waterproofing membrane beneath.

- Highly Durable
- UV Stabilized
- Conforms to Irregular Surfaces and Corners
- Additional Layer of Water Protection
- Protective Barrier for Waterproofing Membrane
- Fabric Overlap Flap with Butyl Adhesive Strip
- Excellent Flow Properties
- Cost Efficient

TECHNICAL DATA

Fabric Properties

Raw Material: Polypropylene **Fabric Color:** White

Property	English Units	Metric Units	Test Method
Weight	2.18 oz/yd ²	73.9 g/m ²	ASTM D5261
Puncture Strength	70lbs	.31 kN	ASTM D4833
AOS	270-325 us sieve	.052 mm	ASTM D4751
Flow Rate	21.26 GPM/ft ²	14.44 sec.m ²	ASTM D4491

Core Properties

Raw Material: Mix of Polyethylene and Polypropylene

Property	English Units	Metric Units	Test Method
Thickness	26 mils	26 mils	ASTM D5199
Weight	0,12 lb/ft ²	500 g/m ²	EN 965
Compression Resistance	<10,000 psf	<480 kpa	ASTM D1621

Composite Material Properties

Adhesive Tape for Overlapping Butyl

Property	English Units	Metric Units	Test Method
Weight	0,12 lb/ft ²	575 g/m ²	EN 965
Thickness	0,14 in	3,5 mm	EN 964-1

PACKAGING

Packaging / Dimensions

Property	English Units	Metris Units
Width (with flap)	45 in	1.14 m
Length	90 ft	27.4 m
Rolls Per Pallet	6	

INSTALLATION

SURFACE PREPARATION

Clean, remove all foreign matter from surface. Surface must be dry.

APPLICATION

Once waterproofing system is installed properly, Elevation™DM1 is to be loose laid over the surface making sure edges are as close as possible to balcony walls, and that all DM1 seams fit tight to gather. With the seams tight remove plastic from butyl strip and press firmly to adjoining surface. When overlap flap is not available, seal seams with tape. Install DM1 so that the seams run from exterior wall to balcony edge, thus preventing water from having to cross seams. When terminating at T-bar nailer flange, install DM1 within 1/4" of flange, bridge gap with Elevation L Flash 4" waterproof reinforcement tape. **DO NOT ALLOW** DM1 to overlap T-bar nailer flange.

STORAGE

Store in dry conditions.

LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.
Not indefinitely UV stable.

ELEVATION™ DM1 INSTALLATION DETAIL

