WaterWay™ 3mm
Rainscreen Drainage Mat

Description

WaterWay 3mm is a nominal **1/8 inch / 3mm** thick drainage product consisting of a polymer core of fused entangled filaments bonded to a moisture resistant filter fabric on the outer surface. WaterWay 3mm is designed for use with manufactured and natural stone, traditional and one coat stucco, EIFS, fiber-cement, wood based sidings, masonry, metal and other wall cladding materials. This rainscreen product provides an uninterrupted drainage path & ventilation for incidental moisture between exterior finish materials and wall sheathing. Applications for roofing and below grade drainage.

Waterway 3mm incorporates a unique filter fabric bonded to the outer surface that **resists liquid water penetration**, providing greater substrate protection than competitive rainscreen mats.

- **Exceeds ICC / IRC AC -38 acceptance criteria for Weather Resistive Barriers**

Recommended Applications

- *WaterWay Drainable Stucco Assembly*
- *Traditional Stucco*
- *Manufactured & Natural Stone*
- *Below Grade Drainage*
- *EIFS*
- *Fiber-Cement & Lap Sidings*
- *Brick*
- *Roofing Applications*

Features and Benefits

Creates space for water drainage & ventilation
50 times faster at draining water than standard weather resistive barriers
Filter fabric ensures a clear drainage path
Filter fabric exceeds AC-38 acceptance criteria for “Water Resistive Barriers”
Keeps wet claddings away from the building & weather resistive barriers
90% Open space within cavity
Provides cushion between building & cladding assembly – Reduced cracking
Up to 40% recycled content – LEED Credits

Technical / Packaging Information		
Product	**USA (metric)**	**WaterWay 3mm**
Core Material	Polypropylene	
Total Thickness	inches (mm)	.125 (3.0)
Width (less flap)	inches (cm)	58 (147.3)
Width (with flap)	inches (cm)	62 (157.4)
Area	sq. ft. (m^2)	180 (16.7)
Roll diameter (average)	inches (cm)	10 (25.4))
Gross roll weight (average)	lbs (kg)	13 (9.52)

Filter Fabric Properties			
	Test Method	**USA (Metric)**	**WaterWay 3mm**
Polymer		Polypropylene	
Weight	EN 1849-1	oz/yd^2 (g/m^2)	2.21 (75)
Mean Tensile Strength	EN 12311-1	Lbs/ft (kN/m)	181.58 (2.65)
Mean Elongation @ Break	EN12311-1	% (%)	75 (75)
	Test Reports		
Hydrostatic Head Pressure	AATCC 127	10 cm / 18 hours (equal to 70-mph wind)	
Acceptance criteria for WRB	AC-38	Sec. 4.2.2 Ponding water - Pass	
Moisture vapor transmission	ASTM E-96	Exceeds 247 perms	
Water resistance (Boat test)	ASTM D-779	Vapor transfer 12 min, no water after 96 hours	
Fabric color		White	

Installation Procedure

These suggestions represent generally accepted procedures for successful installation. It may be followed, modified, or rejected by the owner, engineer, contractor or their representative to accommodate project specific requirements.

Prior to installation the contractor's responsibility is to ensure that:

1. The substrate is sound, that there are no voids or other protrusions or conditions that would interfere with the drainage plane. Acceptable sheathing types include code compliant exterior grade plywood, oriented strand board, water-resistant gypsum and others. Consult your local building code for approved materials.
2. The substrate is flat or plumb within 6.4mm (1/4 inch) in a 1.2m (4-foot) radius.
3. Windows and doors have been properly flashed and sealed and also that roof flashings have been properly installed. Refer to Installation Guide for Flashing Windows/Doors (Available upon request).
4. Weather resistive barriers are properly installed to allow drainage without water penetration.

Attachment to Sheathing with Weather Resistive Barrier

1. Attach fabric side out with flap down to assure proper shingling. Wrap the building completely, butt tightly at all door, window and other building materials (electrical boxes, air conditioning units, etc.), stopping at all wall ends. Install drainage mat so that it lies flat against the wall with adequate corrosion resistant fasteners to hold in place until cladding material application is complete.

2. If specified cladding is stucco, EIFS or cultured stone veneer, at the bottom of the mat, place a foundation weep screed. Weather barrier and mat may be placed over top of the back leg of the weep screed to create the proper shingle effect and support moisture drainage.

** Review Specifications

Storage & Handling

WaterWay 3mm should be stored at temperature between 50 degrees to 90 degrees, out of direct sunlight.

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