

WaterWay™ 19mm Rainscreen Drainage Mat

Description

WaterWay 19mm is a nominal **4/5 inch / 19mm** thick drainage product consisting of a polymer core of fused entangled filaments bonded to a moisture resistant filter fabric on the outer surface. The product 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. * Meets Canadian Code Requirements for Rainscreen *

Waterway 19mm has 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

- *Mortar Deflection*
- *WaterWay Drainable Stucco Assembly*
- *Traditional Stucco*
- *Manufactured & Natural Stone*
- *EIFS*
- *Roof Gardens*
- *Fiber-Cement & Lap Sidings*
- *Brick*

Additional Applications

- *Retaining walls*
- *Beneath slabs*
- *Interior planters*
- *Underground parking*
- *Earth sheltered homes*
- *Exterior planters*
- *Residential basements*
- *Pavements*
- *Commercial buildings*

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 19mm
Core Material	Polypropylene		
Total Thickness	inches	(mm)	0.8 (20.3)
Width (less flap)	inches	(cm)	58 (147.3)
Width (with flap)	inches	(cm)	62 (157.4)
Length	feet	(meters)	37.3 (11.37)
Area	sq. ft.	(m ²)	180 (16.7)
Roll diameter (average)	inches	(cm)	27 (68.5)
Gross roll weight (average)	lbs	(kg)	32 (14.5)

Filter Fabric Properties					
	Test Method	USA	(Metric)	WaterWay 19mm	
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 barrier is properly installed to allow drainage without water penetration.

Attachment to Sheathing with Weather Resistive Barrier

1. For wall application work from bottom to top. 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 should be placed over top of the back leg of the weep screed to create the proper shingle effect and support moisture drainage. Additional casing may need to be surface mounted on top of the Waterway Mat to ensure a consistent thickness of mortar for some stucco or stone veneer applications.

** Review Specifications

Storage & Handling

WaterWay 19mm should be stored at temperature between 50 degrees to 90 degrees, out of direct sunlight.

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