

# Waterway Mat

## Rainscreen Drainage Mat

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### Description

**Waterway Mat** is a nominal 5/16 inch plus, drainage product consisting of a nylon core of fused, entangled filaments. The product is designed for use in many types of exterior cladding construction including metal and vinyl siding, fiber-cement and wood base siding, and Exterior Insulation Finish Systems. The open structure creates a ventilation and drainage system between the exterior finish and the weather resistive barrier paper. The nylon filaments compress but do not fail under the load of mechanical fastening systems and allow any moisture to flow to the bottom of the wall, preventing damage and rot. When attached to a solid sheathing material, the spacer eliminates the need for furring strips.

### Recommended Applications

- *Behind Traditional Stucco*
- *Behind manufactured Stone*
- *Behind EIFS*
- *Cement Siding*
- *Lap Siding*
- *Roofing Applications*

### Features and Benefits

- Excellent Durability – Class “A” Fire Rated
- Surpasses EIFS / AC-24 Drainage Criteria
- Continuous flow even under high loads
- Long rolls reduce installation costs by eliminating interlocking and excessive seams
- Dimensionally stable in hot weather – remains flexible in cold climates
- Continuous ventilation when properly designed – Equalizes pressure
- Redirects & draws moisture away from vulnerable wall and roof sheathing materials

Technical Data			
Typical Physical Properties	USA	(Metric)	Waterway Mat
Core Material	Nylon 6		
Thickness	inches	(cm)	0.34 (0.864)
Core Weight	oz/yd <sup>2</sup>	(g/m <sup>2</sup> )	7.5 (254.3)
Performance Characteristics			
Low Temperature	°F	(°C)	-100 (-73)
High Temperature	°F	(°C)	250 (121)
Fuel & Gasoline Submersion	Stable		
Fire Rating	NFPA Class A*		
Smoke Density	15		
Flame Spread	25		
Fuel Contribution	0		

\* Will not promote flame spread.

AC24* Drainage Test	
Time	Horiz.
Calibration <sup>1</sup>	2.25 Gal.
15 Min.	0.43 Gal.
30 Min.	0.87 Gal.
45 Min.	1.32 Gal.
60 Min.	1.76 Gal.
75 Min <sup>2</sup>	2.20 Gal.
135 Min.	2.22 Gal.
Efficiency <sup>3</sup>	98.61%

<sup>1</sup> Water flow without drain mat for 75min.

<sup>2</sup> Water flow turned off.

<sup>3</sup> Test requires 90% min.

\* According to ICBO ES "Acceptance Criteria for Exterior Insulation & Finish Systems" AC24 Section 6.11 Oct. 1999.

Standard Packaging Information			
	USA	(Metric)	Waterway Mat
Core Width	inches	(cm)	39.0 (99.1)
Length	feet	(meters)	100.0 (30.5)
Area	yd <sup>2</sup>	(m <sup>2</sup> )	36.0 (30.1)
Roll Diameter	inches	(cm)	24.0 (61.0)
Gross roll weight	lbs	(kg)	19.0 (8.6)

## **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.
4. For WaterWay Mat, code compliant weather resistive barrier is required.

### **Attachment to Sheathing**

1. For wall application work from bottom to top. 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 WaterWay 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 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.

### **Storage & Handling**

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