

ZIP System™ Rainscreen – Drainage and Ventilation Mat

MANUFACTURER

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BASIC USE AND APPLICATIONS

ZIP System™ rainscreen is an entangled mesh drainage medium with a fabric covering on the exterior side of the mesh. The entangled mesh is a lightweight yet rigid polymer that can increase the wall assembly's drainage efficiency and provides a capillary break between the cladding and inner portion of the wall assembly. The fabric can perform as a secondary layer of water-resistive barrier (WRB) when stucco, adhered stone, or other adhered cladding is to be installed over ZIP System rainscreen. When used as a secondary layer of water-resistive barrier (WRB), the vertical seams of ZIP System rainscreen must be taped with ZIP System™ flashing tape.

The International Building Code (IBC) and the International Residential Code (IRC) require two layers of WRB to be installed over the wall sheathing when absorptive claddings like stucco or adhered stone are used.¹ ZIP System rainscreen can be used to satisfy the second layer WRB requirement when installed over ZIP System® sheathing.² Additionally, ZIP System rainscreen will provide a physical ¼ inch (6.3mm) gap between the two layers of WRB.

ADVANTAGES

ZIP System rainscreen combines a code-recognized WRB with a drainage medium allowing the installer to satisfy two requirements with one product.² The fabric on the outside of the drainage medium can also prevent mortar from entering the drainage medium. This vapor-permeable covering can protect the integrity of the drainage space to facilitate drying of the cladding material and promote drainage.

APPLICATIONS

ZIP System rainscreen can be used behind stucco, thin stone, thin brick, manufactured stone, masonry, lap siding, fiber cement cedar shakes, and other cladding materials. Vertical seams must be taped with ZIP System flashing tape.²

A nominal 3-inch selvage edge can be found along the bottom of the roll. The selvage edge should fully overlap previously installed courses of ZIP System rainscreen. Due to the overlap, the horizontal seams of ZIP System rainscreen do not need to be taped. Always install ZIP System rainscreen horizontally with the selvage edge at the bottom. Trim the selvage edge along the bottom course.



ZIP System Rainscreen Performance	
Physical Property	Result
Exposure Period	90 Days
Water-Resistive Barrier Recognition ASTM E2556	Passed - Type I
Nominal Thickness	¼ in. (6.3 mm)
Water Vapor Permeance ASTM E96 – Method B	~7 perms
Entangled Mesh Composition	Polymeric
ASTM E2925 ³	Passed
Drainage Efficiency ASTM E2273	Passed ≥ 90%

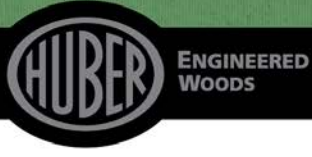
1. International Residential Code - R703.2 Water-resistive barrier and International Building Code - 1402.4 Water-resistive barrier
2. When an absorptive cladding is used
3. Standard Specification for Manufactured Polymeric Drainage and Ventilation Materials Used to Provide a Rainscreen Function
4. Standard Test Method for Determining the Drainage Efficiency of EIFS Clad Wall Assemblies

PACKAGING

ZIP System rainscreen is 4 feet wide (1.2 meters) by 65 feet (19.8 meters) long. The total coverage per roll is 260 square feet (23.8 square meters). The total thickness is ¼ inch (6.35 millimeters).

STORAGE AND HANDLING

Rolls of ZIP System rainscreen shall be stored in a cool, dry environment and remain in the manufacturer's packaging.



FASTENERS

ZIP System[™] rainscreen must be installed with minimum 5/8 inch cap nails or cap staples. Button caps are required to provide enough holding power to properly anchor the rainscreen before the cladding is installed. For stucco or adhered stone, it is recommended to use corrosion-resistant fasteners.

FASTENING

Fasteners should be placed every 24 inches in both the horizontal and vertical directions. Along inside and outside corners, install fasteners 3 inches away from the intersecting wall. View the ZIP System Rainscreen – Drainage and Ventilation Mat installation manual for more information.

Do not install fasteners through window flashings, door flashings, pipe or mechanical penetration flashings, or any other flashing unless the flashing substrate satisfies nail sealability requirements confirmed by ASTM D1970.

WARRANTY

ZIP System rainscreen carries a 15-year limited warranty. Limitations and restrictions apply. View the ZIP System rainscreen warranty available at <https://www.huberwood.com/blog/warranties> for more details.

TECHNICAL SERVICE

Detailed information including specifications, product literature, evaluation reports, installation instructions, and special applications is available through Huber Engineered Woods. Please visit huberwood.com or call 800.933.9220 x2716 to speak to a technical representative.