

1. Manufacturer

Old Mill Building Products

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2. Product Description

Basic Use

Old Mill Air & Water Barrier is a high quality, elastomeric, single component, fluid applied membrane specifically formulated for use as a load bearing, crack isolation, waterproofing and air barrier that is easily applied by roller, brush, trowel or spray. Old Mill Air & Water Barrier forms a continuous air & water barrier that protects approved substrates from air infiltration/exfiltration as well as incidental water damage. Specifically designed to also be a component of the Old Mill Panel+ continuous insulation engineered wall system. It is suitable as a substrate for affixing adhered masonry veneers as well as EPS Foam Panels when used in conjunction with Old Mill Adhesives.

Composition & Materials

Old Mill Air & Water Barrier is 100% acrylic, single component, water based, Low VOC liquid.

All Old Mill manufacturing is quality controlled to ensure product performance and uniformity.

Limitations & Disclaimers

- Do Not Use in Negative Hydrostatic Pressure Applications
- Always Consult With Design Professional for Placement Location and Permeability Requirements
- Comply With Local Building Code Requirements
- Apply When Temperature is Between 42F and 95F
- Not for Use as a Roofing Membrane Over Occupied Space
- Do Not Use Solvent Based Cleaners or Expose to Solvents

Packaging

- 5 Gallon Plastic Pails

Coverage per pail (sf/sm)*

Roller: 450-500 sf (42-46 sm)


Spray: 300-350 sf (28-32.5 sm)

Trowel: 200-250 sf (18-23 sm)

*All coverage is approximate for a single coat of 15 mils wet film thickness (WFT), 10 mils dry and depend upon substrate, details and individual application.

Shelf Life

2 Years

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- A photograph showing a red weather barrier being applied to a light-colored substrate (likely wood or concrete) using a red roller. The barrier is being rolled out in a continuous strip.
- ✓ 100% Coverage
 - ✓ Doesn't rattle in the wind
 - ✓ Vapor permeable with low air infiltration rate
 - ✓ Used as water barrier and flashing

Approved Substrates

- Poured in Place Concrete*
- Precast Concrete*
- Concrete Masonry Unit (CMU)
- Brick Masonry
- Cement Backer Unit (CBU)
- Cement Mortar/Plaster/Scratch Coat
- Ceramic/Porcelain Tile
- Natural Stone
- Exterior Rated Gypsum Sheathing
- Oriented Strand Board (OSB)
- Exterior Glue Plywood (EGP)

* Release agents must be mechanically removed prior to application

Advantages

- Provides Maximum Adhesion
- High Permeability (Non-Permeable Version Available)
- Highly Flexible to Bridge Cracks in Substrate
- Meets ASTM E2537 Air Leakage of Building Assemblies
- Meets ASTM D1970 Nail Seal-ability Requirements
- Install Adhered Masonry Veneers Directly
- Sprayable With Airless Spray Equipment
- UV Exposure Window of Up to Six Months
- User Friendly Single Component
- Water Based for Safety and Simple Clean-up
- Freeze/Thaw Stable in Service
- Consistent Quality Control
- Fluid Applied Simplifies Sealing Complex Detailing
- Qualifies for a 5 or 15 Year System Warranty
- Can be Used Below Grade and in Immersion

3. Technical Data

Applicable Standards

ASTM C297/E2134 | ASTM D1970 | ASTM D2247
ASTM E72 | ASTM E84 | ASTM E96 | ASTM E330
ASTM E331 | ASTM E1233 | ASTM E1354 |
ASTM E2178 | ASTM E2357 | ASTM E2485 |
AATCC 127 | ICC ES AC212 | NFPA 285

Physical Properties

VOC Content, g/L	10
Color	Maroon
ASTM D1970 Nail Sealability	Pass
Maximum Service Temperature	180F
ASTM E96 Permeance	30 Perms
ASTM E2357 Air Leakage	0.003L/s-m ²
ASTM E330	Pass @ 150 PSF
Application Range	42 – 95 F

4. Installation

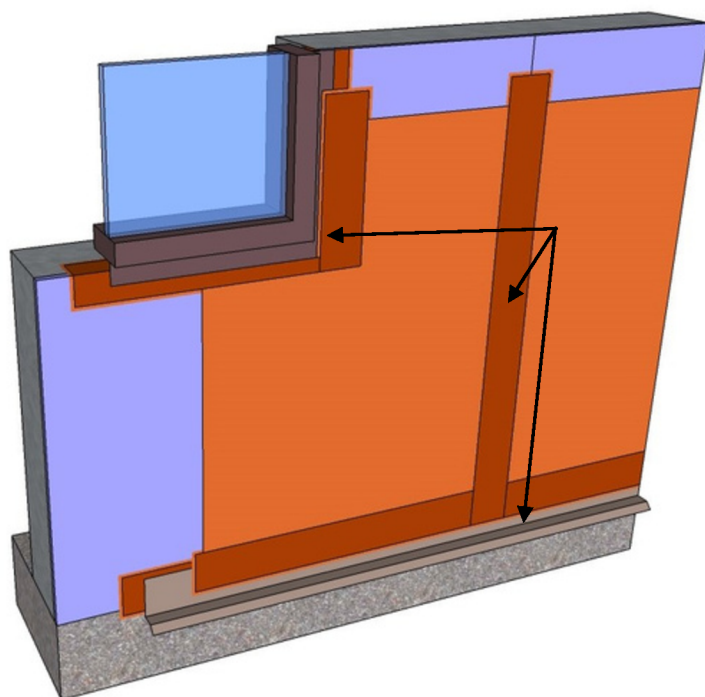
Surface Preparation

All surfaces should be dry, structurally sound, clean and free of dirt, dust, efflorescence, grease, oils, sealers, curing compounds, adhesive residues or any contaminant that could impede bond. Existing tile should be abraded to provide for a mechanical bond. Do not proceed with work until the surfaces to be applied to comply with all manufacturer's requirements.

Exterior sheathing panels should be installed in compliance with manufacturer's instructions. Masonry walls should be treated to patch cracks, voids and other irregularities and remove any protrusions. Fill mortar joints and strike flush. Cast concrete must cure 28 days prior to application of membrane and all form releases must be mechanically removed.

Mixing

Thoroughly stir Old Mill Air & Water Barrier to a homogenous consistency. Do not add water, accelerators or retarders.



Application

Old Mill Air & Water Barrier is applied by first treating the sheathing joints (where applicable), fastener locations, and changes of plane/substrate by first applying a thin layer of Old Mill Air & Water Barrier then embedding Old Mill Polylaminate Fabric into the wet air barrier and troweling smooth. Fastener locations may be spot treated with a brush or trowel and do not require the reinforcing mesh.

Coat the entire surface to be treated using brush, roller (½" to ¾" nap), trowel or airless spray equipment techniques. Apply an even, continuous coat of 15 mils wet film thickness (wft). CMU, OSB and other rough, absorptive substrates require two coats to achieve a pinhole free coating.

Clean tools and equipment with soapy water.

Spray Application

Old Mill Weather Barrier is compatible with GRACO and Titan airless spray equipment with the following specifications.

- Minimum 1 gallon per minute output.
- Minimum hose width of 3/8 inch.
- Minimum tip size of 0.027-0.031.
- Minimum pressure requirement to spray of 2,000 psi at the gun with an airless sprayer rated no lower than 3,300 psi.
- Remove all filters in sprayer and gun before application.
- Hopper Gun: 3/16"-1/4" (6-6.5 mm) orifice, 23-25 psi.