TECHNICAL DATA SHEET

OLD MILL ADHESIVE MIX

1. Manufacturer

Old Mill Building Products
42 E 1100 S, Ste 6, American Fork, UT 84003
Phone: (888) 264-6455
Web: www.oldmillbuildingproducts.com

2. Product Description

Basic Use

Old Mill Adhesive is a premium, polymer modified, fiber-reinforced adhesive mortar designed specifically for the installation of thin adhered masonry veneer, including thin brick, natural stone, manufactured stone, tile, calcium silicate units and other code compliant adhered masonry materials when applied to approved substrates. Old Mill Adhesive may be used for vertical, horizontal and overhead applications in both interior and exterior exposure. In addition, it is designed to adhere Old Mill Panel+ EPS panels to approved substrates. This versatile mortar may also be used as EIFS base coat and adhesive.

Composition & Materials

Old Mill Adhesive is a dry, pre-blended, proprietary mortar containing cementitious materials, high-performance polymers, fiber and sand.
All Old Mill manufacturing is quality controlled to ensure product performance and uniformity.

Limitations & Disclaimers

- Do Not Cover Over Movement Joints With Mortar
- Substrate Maximum Design Deflection of l/360
- Comply With Local Building Code Requirements
- Apply When Temperature is Between 42oF and 95oF
- Do Not Retemper Once Mixed. Do Not Overwater
- For White and Light Colored Stones, Conduct a Test Area to Ensure There is no Staining or Shadowing

Coverage

Method of Application	Coverage
(1/2”x2”x1/2” U-Notch)	70SF
1/4” x 3/8” Square Notch Trowel	66SF
1/2” x 1/2” Square Notch Trowel	40SF
Backbutter Method	30-40SF
Grout Bag Method	70SF

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)†
- Gypsum Wallboard/Plaster (interior, dry areas only)
- Exterior Glue Plywood (EGP) (interior, dry areas only)†

* Release agents must be mechanically removed prior to application
† Exterior use only when coated with Old Mill Air & Water Barrier

Advantages

- Provides Maximum Adhesion
- High Strength Fiber Reinforcement
- Excellent Workability for Easy Installation
- Greater Efflorescence Resistance than Type S/N Mortar
- Low Shrinkage Reduces Cracking/Debonding Risk
- Mix With Water Only
- Freeze/Thaw Stable
- Consistent Quality Control
- Flexible Formulation Accommodates Movement
- Qualifies for a 5 or 15 Year System Warranty
- Can be Used Below Grade and in Immersion

Packaging

- 50 lb. Multi-wall bags

3. Technical Data

Physical Properties

Test	Test Method	Results:
Shore A Hardness	ASTM C661	57 +/- 5
Max Tensile	ASTM D412	575 psi
LAP Shear	ASTM D1002	> 300 psi
Elongation Break	ASTM D412	> 110%
Low Temp Flex	ASTM C734	Pass

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. Glossy surfaces should be mechanically roughened by sanding, shot-blasting, sandblasting or other mechanical means. 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. Also, clean the backs of the veneer pieces to be installed to the same standard as the substrate. Chip off any protrusions that would impede even setting of the veneer pieces. When used, allow Old Mill Air & Water Barrier to dry overnight (12-24 hours) prior to application of finish.

Mixing

Into a clean 5 gallon pail add 5 quarts of clean potable water and slowly add the entire contents of a bag of Old Mill Brick & Panel Adhesive while mixing with a slow speed mixer for 1-2 minutes until a smooth, creamy consistency is achieved. Allow to slake for 5 minutes and remix for 1 minute. If necessary, adjust water slightly at this time adding only slight amounts of water being careful not to overwater the mix.

Admixtures

No admixtures of any kind should be used and use of admixtures will void all warranty coverage.

Application

Based on the substrate and type of finish being installed, select from one of the following application methods:

Notched Trowel Method

Using the appropriate size notched trowel based on finish piece size, start by keying in a thin coat of mortar into the substrate using the flat edge of the trowel. Then spread more material over the area sufficient to allow combing of the material to the desired size ridges with the notched side of the trowel. Spread only enough mortar that can be covered before skinning over. Apply additional mortar to the back of the finish piece to ensure full coverage when set. Place the veneer piece and adjust to desired position. Clean excess mortar from around the edges and apply to the next piece being set

Backbutter Method

Key in a thin layer of mortar to the back of the veneer piece being set. Add mortar to build approximately one half inch of mortar on the back of the piece ensuring the entire space between the veneer and substrate will be filled with mortar. Press the piece to the substrate and slide a bit sideways and back to squeeze out excess mortar all around the veneer being set. Using the trowel scrape the excess mortar from around the piece and apply to the next one.

Grout Bag Method

When setting thin brick into the Old Mill BrickPanel+ EPS panels, use a grout bag to apply a ¾" bead along the course between alignment ridges. Press the individual thin bricks into the mortar ensuring mortar extrudes out all around the thin brick. Scrape off any excess mortar that extrudes over the alignment ridges and reuse.

Grouting/Pointing (if needed)

Allow the veneer to set overnight (12-24 hours) before attempting to point the joints. Using a grout bag filled with Old Mill Colored Pointing Mortar or Type S/N masonry mortar, apply pointing mortar into the joints between the veneer pieces ensuring to fill the full depth of the joint and overfilling the joint beyond the face of the veneer to allow the needed material for compaction into the joint. Allow the pointing mortar to become thumbprint hard and tool as specified. Once dried, brush off crumbs and excess pointing mortar with a stiff bristle brush. Do not use metal brushes for this process.