

PRODUCT GUIDE

OLD MILL ADHESIVE

Unyielding Strength with Old Mill Adhesive

Want an adhesive that won't let you down?

Dive into the reliability of Old Mill Adhesive. Crafted to perfection, this adhesive offers the kind of bond that becomes the backbone of any construction.

Its smooth texture is not just a pleasure to work with but also ensures an effortless application. And there's more – a single 50 lb. bag generously covers up to 70 sq. ft, offering both efficiency and economy.

But the real testament to its strength? Its superior pull-out strengths, ensuring that whatever it holds stays put. Primarily designed to fortify the bond between brick and Old Mill foam panels, its versatility shines through when used with the Old Mill thin brick or the renowned Brickwebb product. No matter the surface, Old Mill Adhesive pledges an unwavering bond.

And remember, safety first! Always use safety glasses and gloves to protect yourself during the application.

ADVANTAGES:

- ✓ High Flexibility
- ✓ High Adhesion
- ✓ Easy Handling
- ✓ Less Job Waste
- ✓ More Precise Mixture

For bonds that stand unchallenged, make Old Mill Adhesive your choice. Mix, apply, and experience the difference!

TECHNICAL DATA	
Surface Preparation	All bases to receive Old Mill Adhesive must be clean, dry, and free of dirt, paint, oil, and any other foreign residue. Irregular and uneven surface should be filled with this product prior to applying the Adhesive. Proper substrates include sound concrete, masonry, plaster or exterior grade gypsum sheathing. Do not use over wood substrates.
Mixing	Use clean equipment for preparation. Only mix what can be used in a 45-minute period. Use cool clean potable water. Mix to a homogenous consistency adding small amounts of water to adjust workability. Let mixture stand for five minutes after initial mixing, stir again, adding small amounts of water for workability once only. Adhesive should be used immediately after mixing.
Application	For bonding applications, apply Old Mill Adhesive with a notched trowel for smooth substrates or by ribbon and dab method for masonry applications. As an adhesive, apply with a clean 1/2" notch trowel or grout bag.
Precautions	Ambient and surface temperatures must be higher than 400F within 24 hours after application. Refer to local building codes in regard to application limitations for use.
Drying Time	Thorough drying depends on temperature and humidity, and normally dries within 24 hours.
Cleaning	May be cleaned with water prior to setting. Protect other surfaces from contact with coating.
Coverage	~ 70 sq. ft. per bag
Storage	Protect from moisture. Product storage life is one year (12 mo) from manufacture.

ADDITIONAL NOTES

Old Mill's Adhesive is an Adhesive for EPS Foam Board Insulation, Masonry, and Stone Trim Products. Old Mill Adhesive is a one component, dry, polymer modified, cementitious basecoat composed of sand, cement, proprietary chemicals, and polymer modifiers. Old Mill's Adhesive is used for bonding foam board prior to the application of thin brick. Our Old Mill Adhesive is also used for adhering stone, concrete, tile and masonry trim products to autoclaved aerated concrete.

MANUFACTURER

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(801) 542-7050

Web: www.oldmillbuildingproducts.com

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



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

COVERAGE

METHOD OF APPLICATION	COVERAGE
Old Mill Foam Trowel (1/2"x2"x1/2" U-Notch)	70 SQ FT
1/4" x 3/8" Square Notch Trowel	66 SQ FT
1/2" x 1/2" Square Notch Trowel	40 SQ FT
Backbutter Method	30 - 40 SQ FT
Grout Bag Method	70 SQ FT



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, shotblasting, 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.

INSTALLATION *Continued*

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.

Cleaning

AClean tools and equipment with water.

AVAILABILITY & COST

Availability

Old Mill Systems' products are available through a national network of local distributors in major US markets and in select regions of Canada. Contact Old Mill Building Products for more information or go to www.oldmillbuildingproducts.com for more information

Cost

Contact your local distributor for pricing in your market. Visit www.oldmillbuildingproducts.com to find your local distributor or to get in touch with the Old Mill Systems sales team.

WARRANTY

To view the Old Mill 5/15 Year Commercial System Warranty please visit www.oldmillbuildingproducts.com.

MAINTENANCE

Depending on service, masonry walls may require periodic cleaning.

TECHNICAL SERVICES

Technical assistance, including more detailed information, product literature, test results, project lists, samples, assistance in preparing project specifications and arrangements for job site inspection and consultation, is available by contacting Old Mill Building Products.

FILING SYSTEMS

Additional Information is available from the manufacturer upon request.

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PHYSICAL PROPERTIES

TEST	TEST METHOD	RESULTS
Shear Bond Non-Vitreous Tile; 7 Day	ANSI A118.4	>480psi
Shear Bond Non-Vitreous Tile: 28 Day	ANSI A118.4	>550psi
Shear Bond Porcelain Tile; 7 Day	ANSI A118.4	>300psi
Shear Bond Porcelain Tile; 28 Day	ANSI A118.4	>360psi
Compressive Strength, Pot Life @ 70 F 6 Hours Adjustability @ 70 F 15 min	ASTM C109	>3300psi

TESTING

Applicable Standards

- ASTM C109
- ASTM C150
- ASTM C270
- ASTN C482
- ANSI A118.1
- ANSI A118.4
- ANSI A118.5
- ANSI A118.11