

PRODUCT DATA SHEET

Old Mill Adhesive Mix

Dry Dual Use Basecoat & Adhesive

PACKAGING

50 lbs (22.7 kg) per bag

COLOR

Grey

APPROVED SUBSTRATES

- Poured/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†
- Glass mat gypsum sheathing
- Coated Strand Board (OSB)†
- Gypsum Wallboard/Plaster (interior, dry areas only)
- Exterior Glue Plywood (EGP) (interior, dry areas only)†
- Over Old Mill WeatherSeal Spray & Roll-On and WeatherSeal Trowel-On WG Water Resistive Barrier Coatings

*Note: Release agents must be mechanically removed prior to application.

†Note: Exterior use only when coated with Old Mill Air & Water Barrier.

VOC

0 lbs/gal (0.0 g/l) less water and exempt solvents

SHELF LIFE

12 months when stored off the ground and protected from sun and moisture.

STORAGE

40–90 °F (4–32 °C), protect from freezing, heat, and sun.

DESCRIPTION

Old Mill Adhesive Mix is a dry, pre-blended, polymer-modified, dry, cementitious adhesive and basecoat formulated for adhering Old Mill thin brick, stone, and tile to approved substrates, and for use as a skim coat or basecoat in Old Mill's Panel+ and adhered veneer systems.

Basic Uses / Typical Applications:

- Adhering EPS to cement board, masonry, and over approved WRBs within Old Mill Panel+ systems.
- Skim coating above-grade masonry and concrete substrates.
- Embedding reinforcing mesh in veneer panel systems.

Do not use below grade, in continuous immersion, or directly over wood-based sheathing without an approved intermediary such as cement board.

USES

Old Mill Adhesive Mix is a versatile, high-performance product used for:

- Installing thin adhered masonry veneer, including thin brick, natural stone, manufactured stone, tile, calcium silicate units, and other code-compliant adhered masonry materials.
- Both vertical, horizontal, and overhead applications.
- Adhering Old Mill Panel+ EPS panels to approved substrates.
- Use as an EPS base coat and adhesive.
- Reinforcing mesh embedment as part of wall systems.
- A skim coat over above-grade masonry and concrete substrates

ADVANTAGES

Maximum Adhesion

Water based formula that is safe, non-toxic, and allows for easy clean up with soap and water.

High strength fiber reinforcement.

Dry bag mix - just add water.

Smooth, creamy consistency for easy troweling and reduced installer fatigue.

Lower cement-to-polymer ratio, reduced efflorescence risk.

No heated shipping or storage required.

Can be mixed in small quantities for repairs, reducing waste.

Qualifies for a 5 or 15 year warranty.

COVERAGE

METHOD OF APPLICATION	COVERAGE
(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.

METHOD OF APPLICATION	COVERAGE
Backbutter Method	35 sq. ft.
Grout Bag Method	70 sq. ft.

TECHNICAL INFORMATION

TEST	METHOD	RESULTS
VOC	ASTM D3960	0 lbs/gal (0.0 g/l) less water and exempt solvents.
Accelerated Weathering	ASTM G 23	Pass
Accelerated Weathering	ASTM G 53	Pass
Water Vapor Transmission	ASTM E96 Method B	Pass
Surface Burning Characteristics	ASTM E 84	Flame Spread < 25 Smoke Development < 450 (Class A)
Tensile Bond	ASTM C297, E2134	> 15 psi
Water Resistance of Coating in 100% R.H	ASTM D 2247	Pass
Non-Combustibility of building materials	CAN/ULCS114	Pass
Shear Bond Non-Vitreous Tile; 7 Day	ANSI A118.4	> 480 psi
Shear Bond Non-Vitreous Tile; 28 Day	ANSI A118.4	> 550 psi
Shear Bond Porcelain Tile; 7 Day	ANSI A118.4	> 300 psi
Shear Bond Porcelain Tile; 28 Day	ANSI A118.4	> 360 psi
Compressive Strength, Pot Life @ 70°F Adjustability @ 70°F	ASTM C109	>3300 psi 6 Hours 15 Min

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- Do not cover over movement joints with mortar
- Do not use over wood-based substrates.
- Substrate maximum design deflection of l/360
- Comply with local building code requirements
- When temperatures less than 40°F (4°C) prevail, provide supplementary heat during installation and drying period for at least 24 hours after installation and until dry. Do not apply in ambient temperature above 100°F (38°C) or surface temperature above 120°F (49°C).
- Do not apply materials to frozen surfaces.
- Not for use on damp surfaces, below grade applications or on surfaces subject to water immersion.
- 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.

HEALTH & SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

ADMIXTURES

No admixtures of any kind should be used and use of admixtures will void all warranty coverage. Do not add lime, gypsum, other admixtures, or use a container that has held petroleum-based products

LEGAL DISCLAIMER

- **KEEP CONTAINER TIGHTLY CLOSED**
- **KEEP OUT OF REACH OF CHILDREN**
- **NOT FOR INTERNAL CONSUMPTION**
- **FOR INDUSTRIAL USE ONLY**
- **FOR PROFESSIONAL USE ONLY**

Prior to each use of any product of Old Mill Building Products, its subsidiaries or affiliates ("OLD MILL"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at oldmillbuildingproducts.com or by calling at 1-888-264-6455. Nothing contained in any OLD MILL literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each OLD MILL product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the OLD MILL product.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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

Fill a clean container with approximately 1.4 gal (5.6 L) of water, add Old Mill Adhesive Mix in small increments, mixing thoroughly to a homogeneous consistency after each additional increment. Allow base coat to set for 5 -10 minutes, then remix/retemper before use. Additional base coat or water can be added to adjust workability.

- Do not use a container which has contained or been cleaned with a petroleum-based product.
- Additives are not permitted.
- Close container when not in use.
- Clean tools with soap and water immediately after use. Dried material can only be removed mechanically.

APPLICATION

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

- **Notched Trowel Method**
- **Backbutter Method**
- **Grout Bag Method**
- **Grouting/Pointing (if needed)**

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 Systems' Panel+ EPS panels, use a grout bag to apply a $\frac{3}{4}$ " 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

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.

TECHNICAL SUPPORT

Tech Services: 1-888-264-6455
Web: oldmillbuildingproducts.com
Manufactured in the USA

REVISION HISTORY

Version: v2025-08-20. Data subject to change without notice.

WARRANTY

Duration

- Standalone (product-only): Limited 5-year material warranty for Old Mill Adhesive Mix when used as an individual product and installed per this TDS and Old Mill specifications.
- Full System: Limited 15-year warranty when Old Mill Adhesive Mix is installed as part of the complete Panel+ Wall System™ by Old Mill Building Products.

Conditions & Registration

- Install, detail, and maintain strictly per this TDS and Old Mill instructions.
- Registration/Application: Submit the Old Mill Building Products Warranty Application (Exhibit A) within 90 days of completed installation.
- Claims: Notify Old Mill of any alleged defect within 30 days of discovery; allow inspection and provide documentation.

System Coverage Requirements (Panel+ Wall System)

Use of the complete Old Mill Panel+ Wall System is required for 15-year coverage, including: (1) Old Mill Air & Water Barrier Liquid (this product) with joint tape and joint fabric; (2) Old Mill Adhesive; (3) Old Mill anchorage materials (Plastic 2" washers, screws, etc.) per instructions; (4) Panel+ Insulation Board; and (5) Brick/Stone/Tile procured through Old Mill.

Exclusions (summary)

Abuse, misuse, improper maintenance; structural defects or building movement; unauthorized alterations; component substitutions or intermixing with unapproved materials; and damage from external causes (e.g., impacts, fire, floods, pests, corrosives, or other natural events). Refer to the current Old Mill Panel+ Wall System Warranty for the complete list of exclusions, sole remedy, limitation of liability, and governing law.

For full terms and to request warranty registration, contact Old Mill Building Products or visit OldMillBuildingProducts.com.