

PRODUCT DATA SHEET

Brick Bond

Type I, acrylic-based adhesive

DESCRIPTION & USES

Transform your interior spaces with Old Mill's Brick Bond, a high-performance, multi-purpose adhesive that redefines convenience and reliability. Brick Bond is a Type 1, acrylic-based adhesive meticulously crafted from premium organic resins and latexes, designed to set all types of vitreous and non-vitreous ceramic wall and floor tiles on both vertical and horizontal surfaces.

Brick Bond is a ready-to-use, Type I/II acrylic-based, full-spread adhesive for interior installation of thin brick, stone*, and ceramic tile on vertical or horizontal substrates. The formulation uses high-quality organic resins/latexes to provide excellent initial grab ("green grab"), low odor, and zero/low VOC performance.

*See "Limitations" for weight/area and service-condition restrictions.

CHARACTERISTICS / ADVANTAGES

- Ready to use; non-slump, non-sag paste with instant grab.
- Low odor; VOC < 25 g/L.
- Freeze-thaw stable (tested to 3 cycles).
- Meets ANSI A136.1 Type I and II.

TYPICAL APPLICATIONS (Interior only)

- Thin brick
- Glazed wall tile
- Ceramic/mosaic
- Lightweight stone veneers.

APPROVED SUBSTRATES

- Gypsum wallboard
- Fiber-mesh-reinforced cement board
- Exterior-grade plywood
- Existing tile
- Well-cured, dimensionally stable concrete (above/below grade).

PRODUCT INFORMATION

Chemistry	Acrylic co-polymer
Consistency	Non-slump, non-sag paste
Working/Open Time	Up to 45 minutes (at 70 °F / 21 °C, 50% RH)
Cure Rate	2–3 mm per 24 h
Color	Beige / White
Packaging	3.5 gallon pail (11.6 lbs.)
Coverage (Typical)	Flat Back Ceramic & Mosaic:"V"-notched trowel 1/8" × 1/8": 65-75 ft ² Glazed Wall Tile:"V"-notched trowel 3/16" × 5/32": 25-30 ft ²

TECHNICAL INFORMATION

TEST	METHOD	RESULTS
Service Temperature	—	–40 °F to 212 °F (–40 °C to 100 °C)
Shore A Hardness	ASTM C661	57 ± 5
UV Resistance	2000 h UV-A	No change in appearance or properties
Tensile Strength (max.)	ASTM D412	~575 psi (≈4.0 MPa)
Elongation at Break	ASTM D412	> 110%
Movement Capability	—	±25%
Corrosivity/Staining	—	Non-corrosive / Non-staining
Shrinkage	—	Zero (0)

APPLICABLE STANDARDS

ASTM C661 ASTM D412
ASTM C734 ASTM D1002

Values are typical and may vary based on substrate, temperature, humidity, and bead geometry.

PRODUCT LIMITATIONS

Brick Bond should not be used to install certain heavy weight tile, or stone, on vertical surfaces or interior areas requiring prolonged water resistance. It is not suitable for high moisture exposure or wetness areas such as steam rooms, shower stall floors, or water-submerged surfaces.

LIMITATIONS

Brick Bond is designed for interior use only and is not suitable for heavy weight tile or stone on vertical surfaces or areas with prolonged water exposure such as steam rooms or shower stall floors. It should not be used in environments where it may come into contact with chemicals or paint. Performance may vary based on environmental factors such as temperature and moisture, so testing on a small area is recommended before full application.

CLEANING & REMOVAL

Remove wet adhesive residue with a clean, white cloth dampened with soapy water. Use mineral spirits for dried adhesive residue, carefully following warnings on the container. Test a small area before proceeding to ensure it does not damage the surface being cleaned.

STORAGE & HEALTH

Store in original packaging, sealed, and in a dry place at temperatures from 41°F (+5°C) to 86°F (+30°C). The shelf life is 18 months from the manufacturing date. Avoid skin and eye contact. Refer to the Safety Data Sheet for further safety information.

APPLICATION

Surface Preparation: Surfaces must be clean, dry, sound, and free of dust, oil/grease, frost, mildew, and loose materials. Level substrates; maximum floor variation 1/8 in. in 10 ft. Use Portland-cement-based patch/underlayment where leveling is required. Field adhesion/compatibility and coverage tests are the installer's responsibility.

Temperature Considerations: Bring Brick Bond to a temperature range between 40°F to 80°F (4°C to 27°C).

Adhesive Application:

- Apply adhesive with the flat side of the trowel to key-in the adhesive and uniformly cover the entire surface.
- In moisture-prone areas, apply a skim coat of Brick Bond adhesive first and allow it to dry.
- Use the notch side of the trowel to apply additional adhesive on areas that can be covered with tiles before the adhesive skins over.
- Remove any adhesive that skins over and reapply fresh adhesive.
- Press thin brick, Brickwebb, or stone, into the fresh, wet adhesive to ensure maximum contact and proper alignment.
- Check occasionally to ensure the adhesive has not skinned over by removing a tile to check for proper coverage.

CURING

- Skins in minutes depending on ambient conditions.
- Functional cure typically in 24 hours; optimal bond after 24–48 hours at 73.4 °F (23 °C) for 2–3 mm bead thickness.
- Lower temperature, low humidity, and larger beads extend cure time.

EQUIPMENT

- Sausage (foil pack) dispensing gun—manual or pneumatic
- Appropriate nozzles; surface cleaning supplies and PPE as listed above