PRODUCT DATA SHEET

BRICKWEBB™ Thin Brick System

Patented Mesh-Mounted Thin Brick Panel System

COLOR
Wide variety of colors and textures available.

PACKAGING

Brickwebb Running Bond & Herringbone
Variation 1
- 5 sheets per box (12 bricks/sheet)
- Coverage: 8.7 sq. ft.
- Total: 60 thin bricks
- Grout spacing: 3/8 in.
- Weight: 40 lbs per box

Variation 2 (thicker thin brick)
- 4 sheets per box (12 bricks/sheet)
- Coverage: 7 sq. ft.
- Total: 48 thin bricks
- Grout spacing: 3/8 in.
- Weight: 40 lbs per box

Brickwebb Corners
- 3 sheets per box (8 corners/sheet)
- Coverage: 5.3 linear ft.
- Total: 24 thin bricks
- Weight: 25 lbs per box

THIN BRICK UNITS
- Made from clay or shale, fired at high temperatures to achieve severe-weathering durability.
- Thickness: approx. 1/2 in. (12–13 mm) after cutting.
- Dimensions: 2 1/4 in. (height) × 7 5/8 in. (length).
- Shapes: standard flats and corner units available.
- Weight: less than 15 psf (pounds per square foot)

MESH BACKING
- Woven fiberglass mesh, coated for durability.
- Provides consistent spacing and alignment.
- Complies with OSHA and WHMIS safety classifications; non-hazardous as an installed article

DESCRIPTION

Brickwebb™ is Old Mill's patented thin brick installation system. It combines genuine kiln-fired thin clay brick units with a factory-mounted fiberglass mesh backing (manufactured by Saint-Gobain Adfors). This pre-mounted system allows up to 12 bricks to be installed at once, reducing time, labor, and alignment issues compared to traditional brick installation methods.

Brickwebb is suitable for both interior and exterior adhered masonry applications in residential, commercial, and institutional projects.

USES

Brickwebb™ is designed for adhered thin brick applications in both interior and exterior settings, including:
- Residential, commercial, and institutional projects.
- Accent walls, feature walls, and fireplace surrounds.
- Full building facades and exterior cladding above grade.
- Remodels where lightweight veneer is required.
- Substrates such as drywall, plywood, cement board, concrete, and CMU.
- New construction or retrofit projects where reduced weight and faster installation are beneficial.

ADVANTAGES

Installs up to 12 bricks at a time using patented mesh system.
Saves labor and cost vs. traditional brick.
Made from 100% real kiln-fired clay brick.
Lightweight (<15 psf) for walls without structural reinforcement.
Consistent spacing, no spacers required.
Severe-weathering classification per ASTM.
Fire resistance – Rated up to 4 hours depending on assembly design.
Fire-resistant up to 4 hours depending on assembly.
Versatile installation for walls, ceilings, floors. and facades in both residential and commercial spaces.

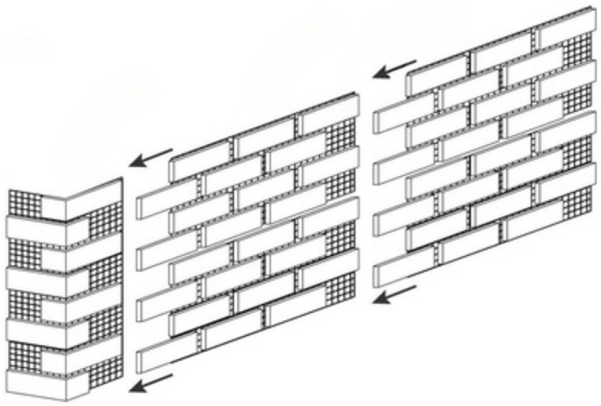
TECHNICAL INFORMATION

TEST	METHOD	RESULTS
Compressive Strength (Thin Brick Units)	ASTM C67	> 3,000 psi
Water Absorption	ASTM C1088	Meets Severe-Weathering classification
Freeze-Thaw Durability	ASTM C67	Resistant; no failure after cyclic testing
Weathering Classification	ASTM C1088	Severe-weathering
Bond Strength (Adhered Veneer)	ANSI A118.4 / ASTM C270	≥ 50 psi shear strength
Fire Resistance (System Assembly)	ASTM E119	1–4 hours depending on wall design/thickness
Fiberglass Mesh Weight	ASTM D-3776	15.5 oz/yd² (525 g/m²)
Fiberglass Mesh Thickness	ASTM D-1777	0.039 in. (1.0 mm)
Fiberglass Mesh Tensile Strength – Warp	ASTM D-5035	640 lb/in (2850 N/2.54 cm)
Fiberglass Mesh Tensile Strength – Weft	ASTM D-5035	645 lb/in (2860 N/2.54 cm)
Fiberglass Mesh Construction	Internal QC / ASTM D-3775	Leno weave; 4.2 warp yarns/in., 4.4 weft yarns/in.
Fiberglass Mesh Finish	Manufacturer test	Alkali-resistant coating; stable in heat/moisture exposure

BRICKWEBB™ meets or exceeds ASTM C1088 (Type TBS, Grade Exterior) requirements for thin brick veneer units and complies with applicable ASTM, ANSI, TMS, and IBC standards for adhered thin brick masonry construction.

APPLICABLE STANDARDS

ASTM C67	ASTM C652	ASTM D-3776	ASTM D-3775	TMS 402 / ACI 530
ASTM C1088	ASTM C270	ASTM D-1777	ASTM E84	BIA Tech 3A, 8, 20, 28C, 46
ASTM C216	ASTM E119	ASTM D-5035	ANSI A118.4	International Building Code (IBC)



(BRICKWEBB™ System Assembly)

PRODUCT DATA SHEET
BRICKWEBB™ SYSTEM

COMPOSITION AND MATERIAL

Thin Brick Units:
- Manufactured from clay, shale, or similar natural materials.
- Kiln-fired to achieve severe-weathering durability.
- Cut to approximately ½ in. thickness.

Fiberglass Mesh Backing:
- Woven fiberglass fabric in a leno weave.
- Provides tensile strength, dimensional stability, and chemical/moisture resistance.
- Lightweight, uniform, and flexible, designed for consistent spacing and grout alignment.

SHAPES & SIZES

Standard Modular Face Size: 2¼ in. (H) × 7⅝ in. (L).

Available Shapes:
- Stretcher (flat)
- 90° cut corner units
- System Weight: ≤ 15 psf (all Brickwebb products).

LIMITATIONS

Not recommended for:
- Below-grade installations.
- Horizontal exterior applications (e.g., paving, flooring).
- Continuous water immersion or exposure to de-icing salts.
- Units are absorptive; proper flashing, drainage, and waterproofing required.

HANDLING & STORAGE

- Deliver in protective packaging.
- Store 3 in. above grade, covered if outdoors.
- Protect edges, corners, and finishes from staining or damage.
- Do not handle or install below 50 °F.
- If stored in below 50 °F, allow for product to warm to room temperature before applying. May fall free from mesh if too cold.

SAFETY

- Thin bricks are kiln-fired and non-combustible.
- Fiberglass mesh may cause irritation if cut or abraded; wear gloves, safety glasses, and dust mask when handling/cutting.
- Store dry, off the ground, protected from moisture and staining

INSTALLATION

1. Install per ACI 530 / TMS 402 and local building codes.
2. Substrate must be clean, dry, structurally sound.
3. Apply modified thin-set or polymer-fortified adhesive using 3/8 in. notched trowel.
4. Press Brickwebb sheets firmly into adhesive. Install corners first, then flats.
5. Allow adhesive to cure 24 hours before grouting.
6. Grout with Type S mortar or sanded grout, then tool joints.
7. Flooring: install over concrete or cement board underlayment; seal after curing.
8. Reference BIA Technical Notes 3A, 8, 20, and 28C for guidance

Measuring:
Calculate square footage and add 5–10% for cuts and waste. Order additional if corners are required.

SURFACE PREPARATION

- Substrate must be clean, dry, structurally sound, and free of contaminants.
- For painted drywall, scuff-sand with 80-grit sandpaper.
- For masonry or concrete, clean with wire brush and repair defects.
- For wood subfloors, install a cement board underlayment for stability.

ADHESIVE APPLICATION

- Apply Old Mill Brick Adhesive (or modified thin-set mortar) using a 3/8 in. × 1/4 in. notched trowel.
- Spread adhesive evenly across the substrate.

APPLICATION

- Start at the bottom corner and work upward.
- Press Brickwebb sheets firmly into adhesive, aligning mesh to maintain consistent spacing.
- For corners, install Brickwebb Corner sheets first, then infill with flat sheets.
- Trim sheets as needed with utility knife, wet saw, or grinder.

GROUTING

- Allow adhesive to cure at least 24 hours.
- Fill joints with Type S mortar or approved grout using a grout bag.
- Tool joints with a concave jointer for proper finish.
- Brush away excess mortar with a stiff-bristle brush.

FLOORING INSTALLATION (WOOD or CONCRETE)

Wood subfloors:
Install cement board underlayment, secure, then apply adhesive, set Brickwebb sheets, and grout.

Concrete floors:
Apply adhesive directly to concrete, set Brickwebb sheets, and grout.

Seal thin brick floors after installation to improve durability, stain resistance, and ease of maintenance.

WOOD SUBFLOORS

- Install a cement backer board (CBU) or fiber cement board over the plywood subfloor.
- Embed boards in a thin mortar bed, fasten with corrosion-resistant screws, and tape joints with alkali-resistant fiberglass mesh tape.
- Leave 1/8 in. perimeter gaps for movement, concealed under trim or filled with backer rod and sealant.
- Apply polymer-modified thin-set adhesive with a 3/8 in. notched trowel.
- Set Brickwebb sheets into the adhesive, pressing firmly to achieve full coverage.
- After curing, grout joints with Type S mortar or sanded grout.

CONCRETE FLOORS

- Concrete slabs must cure at least 28 days and be free of coatings, curing compounds, or contaminants.
- For crack isolation or moisture protection, apply a membrane per ANSI A118.10 or A118.12 before setting brick.
- Spread polymer-modified thin-set adhesive with a 3/8 in. notched trowel.
- Press Brickwebb sheets into adhesive, maintaining 3/8 in. grout joints.
- Allow to cure, then grout and tool joints.

FINISHING

- Clean excess mortar during installation; avoid letting smears harden on brick surfaces.
- Tool joints when thumbprint hard; a concave profile is preferred for durability.
- Seal thin brick floors after curing with a breathable, penetrating sealer (silane/siloxane-based) to improve durability, stain resistance, and ease of maintenance.

CLEANING & MAINTENANCE

- Clean excess mortar during installation with a stiff brush.
- Remove excess mortar as you work; do not allow it to dry on the brick face.
- For floors, sweep regularly; deep clean once or twice annually with oxygen bleach solution.
- Use only masonry-safe cleaners; avoid harsh acid-based cleaners which may darken or damage the surface.
- Inspect periodically for mortar joint wear and repoint if necessary
- Follow BIA Technical Note 20 for cleaning brickwork.
- Test all cleaning agents on a sample area before full use.
- Optional sealants or repellents should be breathable and approved for clay brick (see BIA Tech Notes 6 and 6A)

TECHNICAL SUPPORT

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

WARRANTY

Covered by Old Mill Building Products' 1-Year Limited Warranty against manufacturing defects.

Warranty excludes improper installation, substrate failure, structural movement, efflorescence, and normal color variations.

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

RELATED REFERENCES

- BIA Technical Notes 3A, 8, 20, 28C, 46.
- ASTM Standards C1088, C67, C270.
- Old Mill installation guides and bulletins (available online).

REVISION HISTORY

Version: v2025-08-20 (supersedes prior editions). Data subject to change without notice.

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