

# AIR & WATER BARRIER

Installation Guide



## STEP 1 Job Conditions

- Ensure air and substrate temperature is at least 40°F (5°C) and remains so for a minimum of 24 hours.
- Protect the wall system from damage until permanent flashings, caps, and sealants are installed.
- Store materials within prescribed temperature limits and out of direct sunlight.
- Note that working and drying times vary with temperature and humidity.

## STEP 2 Surface Prep

- The substrate must be approved by Old Mill Building Products. (see TDS sheet)
- Ensure surfaces are dry, clean, structurally sound, and free of efflorescence, oil, grease, form release agents, curing compounds, or any contaminants.
- Painted surfaces are not acceptable unless removed or a bond test is performed.
- Substrates must be flat with no planar irregularities greater than 1/4" in 10'-0" (6.35 mm in 3.05 m).
- For masonry walls, patch cracks, voids, and other irregularities. Remove any protrusions and fill mortar joints, striking them flush.
- For concrete, ensure it has cured for a minimum of 28 days. Remove form release agents with a muriatic acid solution or similar product, then flush with water.
- For existing tile, abrade the surface to provide a mechanical bond.

## STEP 3 Mixing

- Stir Old Mill Water & Air Barrier to a homogenous consistency.
- Do not add water, accelerators, or retarders.

STEP **4**  
**Application**

**Sheathing Applications**

Install exterior sheathing panels as per manufacturer's instructions. Sheathing gaps must be less than 1/4" (6.4 mm); refer to Technical Bulletin #189 for larger gaps. Gap wood-based sheathing per manufacturers' recommendations, typically 1/8" (3.2 mm) minimum.

**Joint Treatment**

Apply a thin layer of Old Mill Water & Air Barrier to joints and embed Old Mill Flashing Tape or Old Mill Poly laminate Fabric into the wet mixture, then trowel smooth. Fastener locations may be spot treated without requiring the reinforcing mesh.

**Wall Treatment**

Apply Old Mill Water & Air Barrier to the wall surface using a foam roller, trowel, or spray, and backroll to a uniform thickness of 15 mils WFT, 10 mils dry. Ensure there are no pinholes or voids.

**Brick / Masonry**

Brick/Masonry: If joints are not struck flush, multiple coats may be required. Porous CMU may need additional coats.

**Concrete**

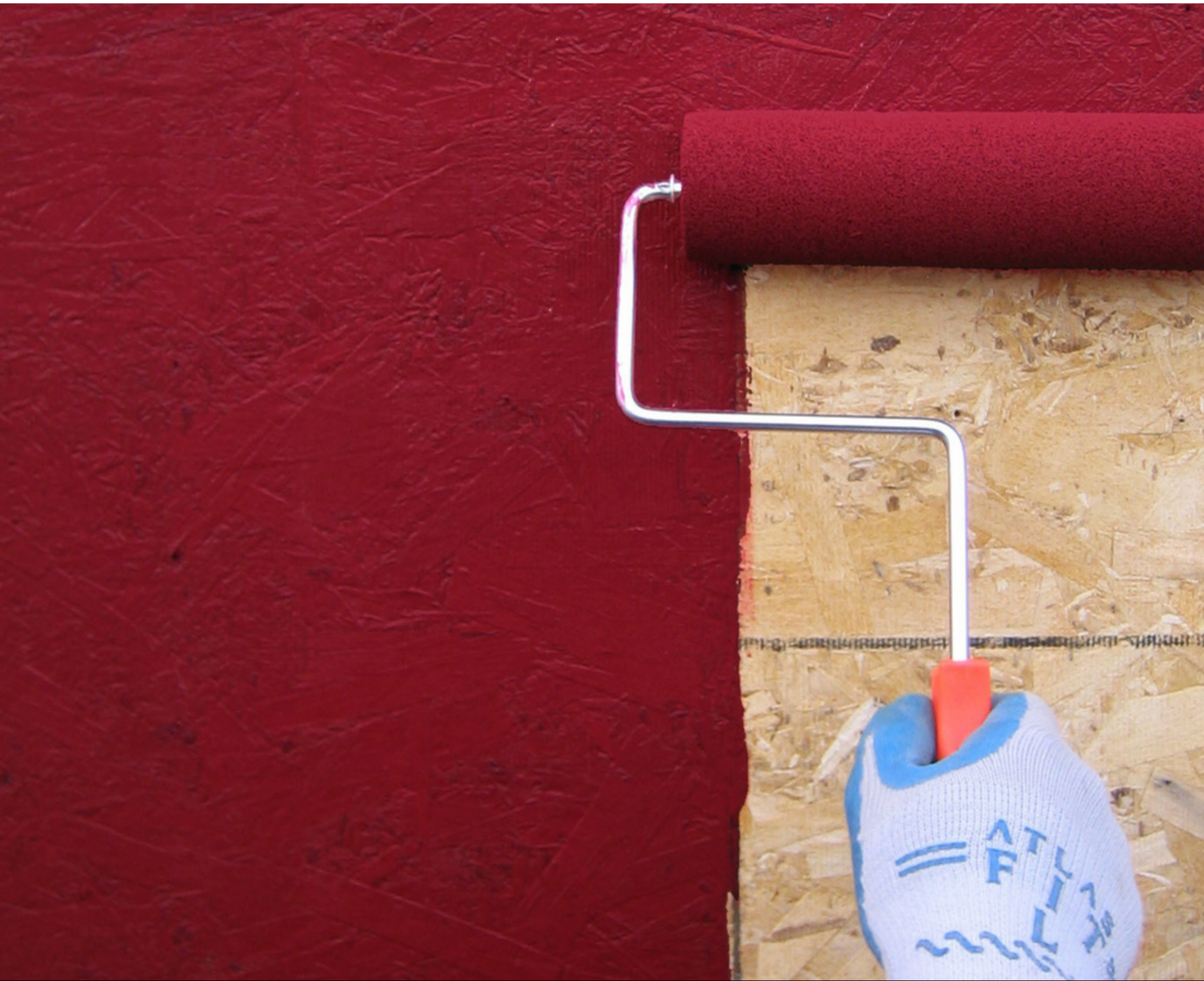
Must have cured a minimum of 28 days. Remove any form release agents or curing compounds before application.

**Application Technique**

Use a brush, roller (1/2" to 3/4" nap), trowel, or airless spray equipment. Apply in an even, continuous coat, maintaining a wet edge of approximately 15 mils WFT. Oriented Strand Board and other porous substrates will require two coats. Ensure a continuous barrier of 10 mils dry thickness with no breaks or skips.

Clean tools and equipment with soapy water immediately after use.

STEP **5**  
**Clean up**



## Contact Us

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