



Globally Proven
Construction Solutions



Belden **Tri-State**
BUILDING MATERIALS

Thin Veneer Installation

This guide gives you the basic overview of materials and installation guidelines for your thin veneer project. The LATICRETE MVIS System uses new technology to provide a **FULLY WARRANTED** interior and exterior veneer system installed with high quality mortars and waterproofing, while replacing traditional methods that can be subject to delamination problems and water intrusion issues.

For more information on LATICRETE® installation materials visit www.laticrete.com/mvis

Trimming and Prep

Perhaps the most efficient method for trimming thin veneer is through the use of a 4" (1 cm) angle grinder equipped with a diamond blade+ (figure A). Cuts made at an angle from the back (sawn) side at 1/2" (12 mm) depth will allow the stone to be "snapped" with a small hammer along the cut line leaving a natural edge on the front side. Ensure units are clean of laitance, loose concrete, and any film that could impede bond.

Substrate Prep

For moisture and air infiltration protection, coat the substrate with LATICRETE® Air and Water Barrier. First, verify that the substrate is properly prepared and fully cured. Apply 1 coat at 0.015" – 0.022 and allow to fully cure (Figure B). Apply a second coat. The Air and Water Barrier will go from a light sage green to a darker olive green when fully cured. Seal and make air and water tight all penetrations through the Air and Water Barrier, including mechanical anchors, brick ties, furring strips, finish cladding supports and other penetrations.

Setting

Use a flat trowel to key a thin coat of LATICRETE mortar to cover entire back of the veneer units (figure C). Spread additional mortar onto the back of the skim coated veneer sufficient to completely fill the space between the veneer and the substrate when compressed against the substrate. Press the mortar covered back of the veneer against the substrate at the desired final position. Slide the unit roughly 1" (25 mm) diagonally while maintaining even pressure (figure D). Take care to keep the joints between the stones consistent and to stagger the vertical joints. Remove excess mortar from the joints prior to setting the next piece (figure E). Periodically pull a piece of stone off the wall to ensure 100% coverage of the mortar between the stone and the substrate (figure F).

Pointing Mortar

Dampen the stone surface with water. After all of the stones have been set, LATICRETE Masonry Pointing Mortar can be applied to the joints via a grout bag (figure G) or pointing trowel. Work your way through the field from bottom to top, forcing the mortar into the joints or any voids that may exist. Note that joint treatments vary by region and individual preference. Be sure to take into account the joint mortar depth required by your specific job as you work your way through the field. If any mortar lands on the face(s) of the stone during the course of installation, allow it to dry slightly and then brush or sponge off any residue. When the mortar becomes firm to



www.laticrete.com/mvis

Technical Services: 800.243.4788 x235

The LATICRETE Advantage

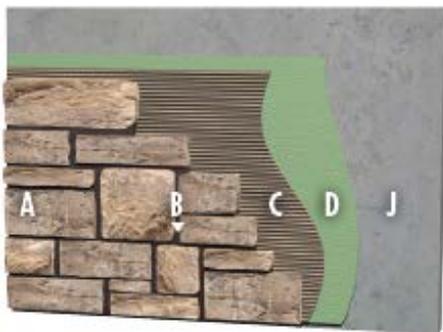
Belden Tri State recommends the use of LATICRETE® MVIS™ for all thin stone Veneer installations over both masonry construction and steel or wood framed construction.

Backed by the LATICRETE 15 and 25 Year System Warranties*, LATICRETE MVIS delivers a faster, more accurate platform for our natural thin stone veneer lines and ensures an uncompromised standard of quality.

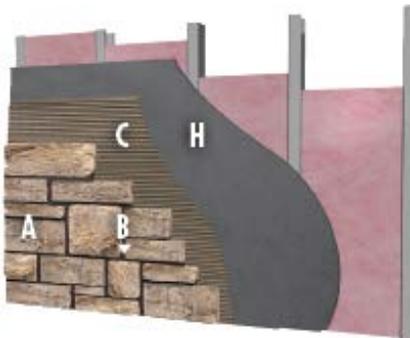


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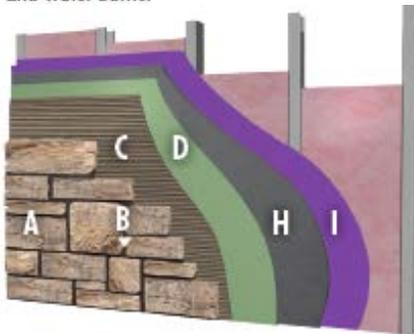
- A. Thin Brick or Thin Stone Veneer
- B. Laticrete Masonry Pointing Mortar
- C. Adhesive Coat of Mortar (Thin Brick Mortar, Hi Bond Mortar, or Masonry Veneer Mortar)
- D. Laticrete Air & Water Barrier (Not required for interior applications)
- E. Leveling/Skim coat of Mortar (Use same mortar as C)
- H. Cement Backer Board – ½” min thickness
- I. Exterior Sheathing over steel or wood framed walls.
- J. Concrete or CMU Wall.



Exterior wall
Concrete wall – Direct adhered with fluid applied air and water barrier



Interior wall
Framed wall with cement backer board substrate



Exterior wall
Framed wall with exterior rated sheathing – cement backer board substrate



Exterior wall
Concrete Masonry Unit (CMU) wall with skim coat – Direct adhered with fluid applied air and water barrier



Installation example

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* See Data Sheet 025.0SPD for complete warranty information or visit www.laticrete.com/mvis.

Square foot quantities reflect raw material coverage only, exclusive of any manipulation of the stone itself. Final results will vary depending on joint width and installation style.

^ All technical service calls are recorded and returned within a maximum 24 hour timeframe.