



Masonry Veneer Mortar

DS-060.0-0310



1. PRODUCT NAME

LATICRETE® Masonry Veneer Mortar

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

LATICRETE Masonry Veneer Mortar is a patented, versatile polymer fortified mortar designed specifically for the installation of adhered manufactured stone masonry veneers (AMSMV), stone and thin brick veneers. A high performance mix provides maximum non-sag performance for vertical installations and also obtains maximum bond strength to the substrate and selected veneers. Reinforced with Kevlar® for added strength, LATICRETE Masonry Veneer Mortar offers exceptional workability and is backed by an available 25 Year System Warranty (see DS 025.0).

Uses

- For vertical, horizontal and overhead installation of AMSMV, thin brick veneers and natural stone on exterior and interior installations.
- Ideal for both commercial and residential installations

Advantages

- Incredible non-sag performance – faster easier installations
- Revolutionary patented formula provides maximum bond strength to veneers and substrate – exceeds ASTM C270 Bond Strength Requirements and ANSI A118.4 requirements
- Mixes only with water
- Reinforced with Kevlar
- Lightweight mortar – very smooth and easy to apply
- GREENGUARD certified for low VOC's
- Inhibits the growth of stain-causing mold and mildew with Microban® antimicrobial product protection.

Suitable Substrates

- Cement mortar (Scratch & brown coat)
- Concrete
- Concrete block
- Cement backer board**
- Masonry and brick

** Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

Packaging

40 lb (18 kg) bag

Colors

Grey

Approximate Coverage

40 lb (18 kg) bag

Trowel Size

Vertical Applications –	ft ²	m ²
1/4" x 3/8" (6 mm x 9 mm) notched trowel	48–58	4.4–5.4
1/2" x 1/2" (12 mm x 12 mm) notched trowel	36–44	3.3–4.1
Adhered Manufactured Stone Masonry Veneer	28–35	2.6–3.2

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year* if stored off the ground in a dry area.

* High humidity will reduce the shelf life of bagged product.

Limitations

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane (see Section 10 **FILING SYSTEM**).
- Not for use in submerged applications. For these applications, use LATICRETE 254 Platinum.
- Note:** Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

Cautions

Consult MSDS for more safety information.

- Some marbles and other stone have low flexural strength and might not be suitable for exterior installations, check with veneer manufacturer for suitability.
- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive stone and agglomerates, and resin backed tiles and stones.

- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- **DO NOT** take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- For white and light-colored stones, conduct test area to ensure no shadowing or staining is observed.
- Keep out of reach of children.
† United States Invention Patent No.: 6,784,229 B2

4. TECHNICAL DATA

VOC/LEED Product Information



This product has been GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products in finished form.

Total VOC Content pounds/gallon (grams/liter) of product in unused form is 0.00 lb/gal (0.00 g/l).

Applicable Standard

ANSI A118.4, ANSI A118.11

Physical Properties

(Mixed with 6 qts of [5.7 l])

Test	Test Method	Results
Shear Bond, Porcelain Tile, 28 day	ANSI A118.4 5.2.4	300–330 psi (2.1–2.3 MPa)
7 day Cure, Water Soak Test, Porcelain Tile	ANSI A118.4 5.2.3	190–250 psi (1.3–1.7 MPa)
Sag on Wall	EN 1308	0 mm No Sag observed

From NAP Report 154

Working Properties

Pot Life	4 hours
Wet Density	11.9 lbs per gallon (1.43 gm/cm ³)

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

5. INSTALLATION

Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, paint, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with a LATICRETE® 3701 Fortified Mortar Bed. Expansion joints shall be provided through the AMSMV from all construction or expansion joints in the substrate. Follow ANSI specification A108.01–3.7 “Requirements For Movement Joints: Preparations by Other Trades” or TCNA detail EJ-171 “Movement Joints—Vertical & Horizontal”. Do not cover expansion joints with mortar.

1. Installer must verify that deflection under all live, dead and impact loads of substrates does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for AMSMV units or stone installations where L=span length.

Mixing—40 lb (18 kg) bag

Place 6.25 qts (5.9 l) of clean water in a pail and slowly add the entire bag of LATICRETE Masonry Veneer Mortar. Mix with slow speed mixer for one minute or until a creamy smooth consistency is reached. Allow to slake for 5 minutes, remix and use. Job site conditions might vary. Add slightly more water if necessary for proper consistency.

Application

See applicable LATICRETE details in LATICRETE Masonry Veneer Installation System Brochure (DS 002.8).

Note: If installing on sheathed wood or steel frame construction with wire lath, use LATICRETE 3701 Fortified Mortar Bed for the wall render prior to installing applicable waterproofing membrane or LATICRETE Masonry Veneer Mortar.

If waterproofing is required, install LATICRETE Hydro Ban™ per instructions (see Data sheet DS 663.0 and DS 663.5) to the substrate prior to installation of LATICRETE Masonry Veneer Mortar.

For AMSMV installations, use a gauging trowel to key a thin coat of LATICRETE Masonry Veneer Mortar to cover entire back of the AMSMV. Spread additional mortar onto the back of the skim coated AMSMV sufficient to completely fill the space between the AMSMV and the substrate when compressed against the substrate. Press the mortar covered back of the AMSMV against the substrate at the desired final position. Slide the unit roughly 1" (25 mm) diagonally from the desired final position and back into the desired position while maintaining even pressure. This should be done in such a manner as to squeeze the mortar to fill the entire space between the AMSMV and the substrate, allowing excess mortar to extrude on all sides around the AMSMV. Clean excess extruded mortar with trowel and spread onto the next AMSMV to be installed.

Note: Prior to installation, ensure back of AMSMV are clean of dust, laitance, loose concrete crumbs and any excess film that could impede bond.

For thin brick, tile, calcium silicate unit and stone installations key LATICRETE Masonry Veneer Mortar into the substrate thoroughly. Then, comb on additional mortar with the notched side, use 1/4" x 3/8" (6 mm x 9 mm) or 1/2" x 1/2" (12 mm x 12 mm) loop or notch trowel. Back butter all thin brick, tile and stone veneers 8" x 8" (200 mm x 200 mm) or larger to provide full bedding of the veneer. Place veneer into the mortar and adjust to desired position. Clean any excess mortar between veneers or sides of stone or tile veneer.

Note: Use proper sized notched trowel to ensure full bedding of the tile. Spread only enough mortar that can be covered with tile within 15–20 minutes. Adjust as necessary. Check mortar for complete coverage by periodically removing AMSMV or tile and inspecting the transfer onto the back of the tile. The size and weight of the veneer will vary. Conduct a small test area for non-sag performance.

Grouting/Pointing

Point installation after a minimum of 12–24 hours curing time at 70°F (21°C). Point with LATICRETE Masonry Pointing Mortar or LATICRETE PermaColor™ Grout according to product instructions.

Cleaning

Clean tools with water.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information, call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line Distributor Information, visit LATICRETE at www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE® Product Warranty

A component of:

DS 230.15MVIS: LATICRETE 15 Year System Warranty For
Steel or Wood Framed Exterior Facades
Manufactured Veneer Installation System

DS 025.0: LATICRETE 25 Year System Warranty

8. MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the LATICRETE Technical Service Hotline (hours 8:00 AM to 5:30 PM EST):

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty

DS 230.15MVIS: LATICRETE 15 Year System Warranty For
Steel or Wood Framed Exterior Facades
Manufactured Veneer Installation System

DS 025.0: LATICRETE 25 Year System Warranty

DS 228.0: LATICRETE Masonry Pointing Mortar

DS 633.0: LATAPOXY® 300 Adhesive

DS 663.0: LATICRETE Hydro Ban™

DS 250.0: LATICRETE PermaColor™ Grout

DS 100.0: LATICRETE 3701 Fortified Mortar Bed

DS 663.5: LATICRETE Hydro Ban Installation Instructions

DS 002.8: LATICRETE Masonry Veneer Installation System
Brochure

DS 677.0: LATICRETE 254 Platinum

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