



# Mortier-colle pour parement MVIS™

DS-246F-1024

**Globally Proven  
Construction Solutions**



## 1. NOM DU PRODUIT

Mortier-colle pour parement MVIS™

## 2. FABRICANT

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 États-Unis

Téléphone: +1.203.393.0010, poste 1235

Numéro sans frais: 1.800.243.4788, poste 1235

Télécopieur: +1.203.393.1684

Site Web: [laticrete.com](http://laticrete.com)

## 3. DESCRIPTION DU PRODUIT

The ultimate, polymer fortified, thin-set mortar for interior and exterior installation of masonry veneer, stone, ceramic tile, quarry tile, pavers and thin brick. MVIS Hi-Bond Veneer Mortar, designed to mix just with water, has a long open time with unsurpassed adhesion and workability.

### Utilisation

- Excellent for interior, exterior and submerged applications as well as providing superior bond to exterior glue plywood (interior only) and concrete. The ultimate thin-set for masonry veneer.

### Avantages

- Ultimate adhesion for masonry veneer
- Incredible bond to exterior glue plywood\* and concrete
- Excellent shear bond strength
- High performing
- Equipped with anti-microbial technology to protect the treated article
- Smooth and creamy formula
- Exceeds ASTM C270 compressive strength requirements for masonry veneer installations

- Passes IBC and IRC shear bond strength code requirements for adhered masonry veneer when tested in accordance with ASTM C482
- Exceeds ANSI A118.4
- Conforms to ISO 13007-1 with a classification of C2TES1P1
- LATICRETE® 25 Year System Warranty (United States and Canada) for masonry veneer installations over concrete and masonry substrates\*\*
- ANSI A118.11 and ANSI A118.15
- \* Interior Only.
- \*\* When used as a component of the LATICRETE® 25 Year System Warranty (United States and Canada) (DS 025.0)

### Supports Appropriés

#### Conditionnement

Sac de 22,7 kg (50 lb)

#### Couverture approximative

Vertical Applications	Ft <sup>2</sup>	M <sup>2</sup>
1/4" x 3/8" (6 mm x 9 mm) Notched Trowel	60–70	5.6–6.5
1/2" x 1/2" (12 mm x 12 mm) Notched Trowel	40–45	3.7–4.2
Adhered Masonry Veneer Application Method	30–33	2.8–3.1

Coverage will vary depending on trowel notch size, type and size of tile/stone and substrate.

### Restrictions

- Mastics, adhesive mortars and pointing mortars for masonry veneer, stone, ceramic tile, pavers and thin brick are not replacements for waterproofing membranes or air and water barriers. When a waterproofing membrane or air and water barrier is required, use Air & Water Barrier (see Section 10 FILING SYSTEMS).
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Not for use directly over particle board, luan, Masonite® or hardwood floors.
- Use LATAPOXY® 300 Adhesive for installing green marble, resin backed, or water sensitive tile, stone and agglomerates (refer to DS 633.0 for more information).

- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. For exterior vertical installations over framed construction, the substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/600 where L=span length (except where local building codes specify more stringent deflection requirements).

#### Mises en garde

- Consult SDS for more safety information.
- Some stone have low flexural strength and may not be suitable for all installations.
- Protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. Causes severe skin burns and serious eye damage. Wear protective gloves, protective clothing and eye protection. In case of contact, flush thoroughly with water.
- DO NOT take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe 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.

#### 4. DONNÉES TECHNIQUES

##### Informations COV/LEED sur le produit

This product has been certified for Low Chemical Emissions (ULCOM/GG UL2818) under the UL GREENGUARD Certification Program For Chemical Emissions For Building Materials, Finishes and Furnishings (UL 2818 Standard) by UL Environment.

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

#### Propriétés physiques

Test	Test Method	Specification	Results
28 Day Cure Vitreous Tile Shear Strength	ANSI A118.15 7.2.5	>400 psi (2.76 MPa)	475–520 psi (3.2–3.6 MPa)
Shear Bond Vitreous Tile Water Immersion	ANSI A118.15 7.2.4	>200 psi (1.38 MPa)	275–300 psi (2.0-3.6 MPa)
28 Day Cure Quarry Tile To Plywood Shear Bond	ANSI A118.11 4.1.2	>150 psi (1.0 MPa)	240-270 psi (1.7-1.9 MPa)
28 Day Cure Bond Strength To Calcium Silicate	ASTM C482	N/A	350–370 psi (2.4–2.6 MPa)
28 Day Cure 20 Cycle Freeze/Thaw Bond Strength To Calcium Silicate	ASTM C482	N/A	230–260 psi (1.6–1.8 MPa)
28 Day Compressive Strength	ASTM C270	2000 psi (13.8 MPa)	2400–2450 psi (16.5-16.9 MPa)

Test	Test Method	ISO 13007-1 C2 Specification	Results
28 Day Cure Tensile Adhesive Strength	ISO 13007 2 4.4.2	1 MPa (145 psi)	2.3 – 2.6 MPa (333–377 psi)
7 Day Cure 21 Day Water Immersion Tensile Adhesive Strength	ISO 13007 2 4.4.3	1 MPa (145 psi)	1.3–1.5 MPa (188 – 218 psi)
14 Day Cure 14 Day Heat Age Tensile Adhesive Strength	ISO 13007 2 4.4.4	1 MPa (145 psi)	2.4–3.0 MPa (348 – 435 psi)
7 Day Cure 21 Day Water Immersion 25 Freeze/Thaw Cycle Tensile Adhesive Strength	ISO 13007 2 4.4.5	1 MPa (145 psi)	1.2–1.4 MPa (174 – 200 psi)
Open Time After 30 Minutes	ISO 13007 2 4.1	0.5 MPa (73 psi)	1.7–1.9 MPa (246 – 276 psi)
Slip	ISO 13007 2 4.2	Less than or equal to 0.5 mm (0.02 inches)	0.5 mm (0.02 inches)
Transverse Deformation			

### Propriétés d'utilisation

Open Time	40 minutes
Pot Life	2 hours
Time to Heavy Traffic	24 hours
Wet Density	13.8 lb/gal (1.65 g/cc)

Caractéristiques sous réserve de modification sans préavis. Les résultats présentés sont typiques, mais ils reflètent les procédures d'essai utilisées. Les performances réelles sur le terrain dépendent des méthodes de pose et des conditions locales.

## 5. POSE

### • 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 MVIS™ Premium Mortar Bed. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. Concrete slabs must be plumb and true to within 1/4"(6 mm) in 10 ft (3 mm).

1. Installer must verify that deflection under all live, dead and impact loads of substrates does not exceed industry standards of L/600 for AMSMV units or stone installations where L=span length. For exterior vertical installations over framed construction, the substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/600 where L=span length.

*Note: MVIS Hi-Bond Veneer Mortar does not require a minimum cure time for concrete walls or slabs. Expansion joints shall be provided through the veneer from all construction or expansion joints in the substrate. For natural stone installations on floors 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.*

### Mixing

Place clean, potable water into a clean pail. Add MVIS Hi-Bond Veneer Mortar. Use approximately 5.5 qts (5.2 L) of water for 50 lbs (22.7 kg) of powder. (To mix smaller quantities use 3.6 parts powder to 1 part water.) Mix by hand or with a slow speed mixer to a smooth, trowelable consistency. Allow mortar to slake for 5–10 minutes. Remix without adding any more water or powder. During use, stir occasionally to keep mix fluffy. DO NOT temper with water.

*Note: For use as a slurry bond coat; mix 7 quarts (6.6 L) water to a 50 lb (22.7 kg) bag of MVIS Hi-Bond Veneer Mortar.*

### Application

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

*Note: If installing on sheathed wood or steel frame construction with wire lath, use MVIS Premium Mortar Bed for the wall render prior to installing applicable MVIS Air & Water Barrier or MVIS Hi-Bond Veneer Mortar.*

If waterproofing is required, install MVIS Air & Water Barrier per instructions (see DS 663.0 and DS 663.5) to the substrate prior to installation of MVIS Hi-Bond Veneer Mortar. For adhered stone, thin brick and manufactured stone masonry veneers installations, use a gauging trowel to key a thin coat of MVIS Hi-Bond Veneer Mortar to cover entire back of the veneer units. 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 -1.5" (25-

38mm) 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 veneer unit and the substrate, allowing excess mortar to extrude on all sides around the veneer unit. Clean excess extruded mortar with trowel and spread onto the next veneer unit to be installed.

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

Alternate method for thin brick, tile, calcium silicate unit and stone installations: key MVIS Hi-Bond 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), 1/2" x 1/2" (12 mm x 12 mm) loop or notch trowel. Back butter all thin brick, veneer units 8" x 8" (200 mm x 200 mm), 3/4" (19mm) loop trowel or larger to provide full bedding of the veneer. Place veneer into the mortar and adjust to desired position. Clean any excess mortar on sides of stone or tile veneer.

*Note: Use proper sized notched trowel to ensure full bedding of the stone veneer. Spread only enough mortar for maximum coverage with tile within 15–20 minutes. Trowel notch size determined by contractor, size of veneer and job-site coverage. Adjust as necessary. Check mortar for complete coverage by periodically removing veneer unit and inspecting the transfer onto substrate and back of the stone veneer. The size and weight of the veneer will vary.. Due to job site conditions and differences in finish material types; ledger boards, shims, wedges or spacers may be required to maintain finish levels and heights.*

#### **Grouting/Pointing (if required)**

When required, point installation after a minimum of 24 hours curing time at 70°F (21°C). Point with MVIS Epoxy Pointing Mortar (conduct test area to determine suitability and acceptability with veneer) MVIS Premium Pointing Mortar mixed with water or MVIS Pointing Mortar mixed with water.

#### **Cleaning**

Clean tools and stone work with water while mortar is fresh.

## **6. DISPONIBILITÉ ET COÛT**

### **Disponibilité**

Les produits LATICRETE® et LATAPOXY® sont proposés dans le monde entier.

## **Appeler un des numéros suivants pour obtenir des informations relatives aux distributeurs:**

Numéro sans frais: 1.800.243.4788

Téléphone: +1.203.393.0010

Pour obtenir de l'information en ligne de distributeurs, visiter LATICRETE à l'adresse suivante [laticrete.com](http://laticrete.com)

### **Coût**

Communiquez avec le distributeur LATICRETE le plus proche.

## **7. GARANTIE**

Voir 10. SYSTÈME DE CLASSIFICATION:

- 1 Year Product Warranty (US) (English)
- 25 Year MVIS System Warranty (US) (English)
- 15 Year MVIS System Warranty for Steel or Wood Framed Exterior Facades (US) (English)
- 25 Year MVIS System Warranty (Canada) (English)
- 15 Year MVIS System Warranty MVIS for Steel or Wood Framed Exterior Facades (Canada) (English)
- 25 años de garantía limitada del sistema - MVIS (Estados Unidos) (Español)
- 15 años de garantía del sistema Para fachadas exteriores con estructura de acero o madera - MVIS (Estados Unidos) (Español)
- Garantie limitée de 25 ans sur les systèmes MVIS (Canada) (Français)
- Garantie de 15 ans sur les systèmes MVIS Pour façades extérieures à ossature en acier ou en bois (Canada) (Français)

## **8. ENTRETIEN**

Non-finish LATICRETE® and LATAPOXY® installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

## **9. SERVICES TECHNIQUES**

### **Soutien technique**

Pour tout renseignement, appeler la ligne d'aide du service technique de LATICRETE:

Numéro sans frais: 1.800.243.4788, ext. 1235

Téléphone: +1.203.393.0010, ext. 1235

Télécopieur: +1.203.393.1948

### **Documentation technique et de sécurité**

Pour obtenir la documentation technique et les consignes de sécurité, visiter notre site Web à [laticrete.com](http://laticrete.com).

## **10. SYSTÈME DE CLASSIFICATION**

Des informations supplémentaires sur les produits sont disponibles sur notre site Web à [laticrete.com](http://laticrete.com). Liste des documents connexes:

- DS 230.13: LATICRETE Product Warranty
- DS 230.15: LATICRETE 15 Year System Warranty – For Steel or Wood Framed Exterior Facades (United States and Canada)

- DS 025.0: LATICRETE 25 Year System Warranty (United States and Canada)\*\*\*\* When used as a component of the LATICRETE® 25 Year System Warranty (United States and Canada) (DS 025.0)

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One LATICRETE Park North, Bethany, CT 06524-3423 USA • 1.800.243.4788 • +1.203.393.0010 • [www.laticrete.com](http://www.laticrete.com)

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