



MVIS™ Mortero para Revestimiento

DS-60E-0424

**Globally Proven
Construction Solutions**



1. NOMBRE DEL PRODUCTO

MVIS™ Mortero para Revestimiento

2. FABRICANTE

LATICRETE International, Inc.
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3. DESCRIPCIÓN DEL PRODUCTO

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

Usos

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

Ventajas

- Incredible non-sag performance – faster, easier installations
- Revolutionary patented formula provides maximum bond strength to veneers and substrate
- 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
- Mixes only with water – no admix needed
- Fiber-reinforced

Sustratos adecuados

Presentación

Bolsa de 18 kg (40 lb)

Rendimiento aproximado

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	55 - 65	5.1 - 6.0
1/2" x 1/2" (12 mm x 12 mm) Notched Trowel	42 - 50	3.9 - 4.6
Adhered Masonry Veneer Application Method	28 - 33	2.6 - 3.1

Limitaciones

- Mastics, adhesive mortars and pointing mortars for thin brick, masonry veneer, stone, pavers and thin brick are not replacements for waterproofing membranes or air and water barriers. When a waterproofing membrane or air and water barriers is required, MVIS Air & Water Barrier (see Section 10 FILING SYSTEM).
- For veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Not for use in submerged or steam room applications. For these applications use MVIS Hi-Bond Veneer Mortar.
- Use LATAPOXY® 300 Adhesive for installing green marble, Resin backed, or moisture 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).

Precauciones

- Consult SDS 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.
- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement and silica sand. Causes severe skin burns and 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 stone, conduct test area to ensure no shadowing or staining is observed.
- Keep out of reach of children.

4. DATOS TÉCNICOS

Información del producto VOC/LEED

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 is 0.00 lb/gal (0.00 g/L).

Propiedades físicas

(Mixed with 5.9 qts (5.6 L) of water)

Test	Test Method	Results
Shear Bond, Vitreous Tile, 28 day	ANSI AS118.4 5.2.4	300-330 psi (2.1-2.3 MPa)
7 day Cure, Water Soak Test, Vitreous Tile	ANSI A118.4 5.2.3	200-300 psi (1.4-2.1 MPa)
Sag on Wall	ISO 13007-2 4.2	0 mm No Sag Observed
28 Day Cure Compressive Strength	ASTM C109	2400-2800 psi (16.6-19.3 MPa)

Propiedades de trabajo

Pot Life	4 Hours
Wet Density	11.1 lbs per Gallon (1.3 gm/cm ³)

Las especificaciones están sujetas a cambios sin notificación. Los resultados exhibidos son representativos pero reflejan los procedimientos de prueba utilizados. El desempeño real en el área de trabajo dependerá de los métodos de instalación y de las condiciones del lugar.

5. INSTALACIÓN

• 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. Expansion joints shall be provided through the adhered manufactured stone masonry veneer (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/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.

Mixing—40 lb (18 kg) bag

Place approximately 5.9 qts (5.6 L) of clean water in a pail and slowly add the entire bag of MVIS Veneer Mortar. (To mix smaller quantities use 3.4 parts powder to 1 part water.) 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. Jobsite conditions might vary. Add slightly more water if necessary for proper consistency.

Application

See applicable LATICRETE® details in MVIS 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 waterproofing membrane or MVIS Veneer Mortar.

If waterproofing is required, install MVIS Air & Water Barrier per instructions (see DS 661.0) to the substrate prior to installation of MVIS Veneer Mortar.

For adhered masonry veneers use a hand trowel to apply a thin coat of MVIS Veneer Mortar to cover entire back of the veneer unit. Spread additional mortar onto the back of the skim coated veneer unit sufficient to completely fill the space between the veneer unit 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 1/2" (25 - 38 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 veneer unit and the substrate, helping to achieve 100% coverage to both the substrate and veneer unit, 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.

For adhered masonry veneer using a hand trowel to apply MVIS Veneer Mortar into the substrate thoroughly and then comb on additional mortar (trowel size is determined by substrate flatness and finished material size). Back butter all veneer units 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 veneer unit 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. 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

Point installation after a minimum of 12–24 hours curing time at 70°F (21°C). Cooler temperatures require a longer curing time. Point with MVIS Pointing Mortar, MVIS Epoxy Pointing Mortar, or MVIS Premium Pointing Mortar according to product instructions.

Cleaning

Clean tools with water.

6. DISPONIBILIDAD Y COSTO

Disponibilidad

Los materiales LATICRETE® y LATAPOXY® están disponibles en todo el mundo.

Para obtener información sobre los distribuidores, llame a:

Línea telefónica gratuita: 1.800.243.4788
Teléfono: +1.203.393.0010

Para obtener información sobre los distribuidores en Internet, visite LATICRETE en laticrete.com

Costo

Comuníquese con un distribuidor de LATICRETE de su zona.

7. GARANTÍA

Consulte la Sección 10. SISTEMAS ESPECIALES:

- 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. MANTENIMIENTO

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. DEPARTAMENTO DE ASISTENCIA TÉCNICA

Asistencia técnica

Para obtener más información, comuníquese con la Línea Directa del Departamento de Asistencia Técnica de LATICRETE:

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Material informativo sobre aspectos técnicos y de seguridad

Para obtener material sobre aspectos técnicos y de seguridad, visite nuestro sitio web en laticrete.com.

10. SISTEMAS ESPECIALES

Podrá obtener más información sobre los productos en nuestro sitio web laticrete.com. A continuación, encontrará una lista de documentos afines:

- DS 230.13: LATICRETE Product Warranty (United States and Canada)
- 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)
- DS 228.0: MVIS Pointing Mortar
- DS 247.0: MVIS Hi-Bond Veneer Mortar
- DS 263.0: MVIS Premium Mortar Bed
- DS 274.0: MVIS Premium Pointing Mortar
- DS 633.0: LATAPOXY® 300 Adhesive
- DS 661.0: MVIS Air & Water Barrier
- DS 002.8: MVIS Masonry Veneer Installation System Brochure

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