



MVIS™ Lite Wall Float

DS-36622-0225

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

MVIS™ Lite Wall Float

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

The MVIS™ Lite Wall Float is a super lightweight mortar developed with the installer in mind. The MVIS Lite Wall Float contains no respirable crystalline silica levels that exceed the OSHA action level* and it is half the weight of traditional type S mortars. It is easy to float or repair walls up to 3/4" (19mm) in one lift. Mixes only with water. No need for additional admixtures. Increase your production and reduce fatigue on the job. You will have a superior performing product to attach adhered masonry veneers to.

Uses

- Interior and exterior applications
- Vertical, overhead applications
- Wet and dry applications
- Flatten CMU and Concrete wall surfaces
- CMU and Concrete wall repairs

Advantages

- Light weight - same volume of a conventional 60 lb bag but half the weight
- Excellent for vertical and overhead applications

- Contains no respirable crystalline silica levels that exceed the OSHA action level*
- Freeze-thaw resistant
- Ease of mixing and application - can be applied up to 3/4" (19mm) on a vertical surface
- Polymer fortified – no need for latex additives
- Preblended – no job site blending of powders required
- Economical – saves time and money
- For use as a scratch or finish coat in place of Type S or Type N mortar
- Can be used to ramp and pitch areas - bonded mortar bed assembly is possible with a slurry bond coat of MVIS Hi-Bond Veneer Mortar, down to a feather edge * OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see laticrete.com/silica

Suitable Substrates

- Concrete
- Concrete Masonry
- Brick Masonry
- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- CMU

Packaging

30 lb (13.6 kg) bag; 56 bags per pallet
Part Number: 2900-0030-21

Approximate Coverage

Render/Repair	Depth
12 ft ² (1.1 m ²)	1/2" (13mm)
9 ft ² (0.84 m ²)	3/4" (19 mm)

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years.

Limitations

- MVIS Lite Wall Float is not to be used as an adhesive for adhering finished goods.

- Please consider our range of MVIS Adhesive Mortars for adhering finished goods (example: manufactured stone, cast stone, thin brick, natural cut stone veneers and etc.).
- For Adhered Veneer installations using this product, consult local building code requirements regarding limitations and installation system specifications.
- Adhesives/mastics, mortars for manufactured stone, cast stone, thin brick and natural cut stone veneers are not replacements for water-resistant barriers. When a water-resistant barrier is required, use a LATICRETE® Air & Water Barrier or other water-resistant barrier as designed by water management professional.
- Surfaces must be structurally sound, stable and rigid enough to support manufactured stone, cast stone, thin brick and natural cut stone veneer finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must exceed L/600 for thin adhered veneer exterior installations, Data Sheets are subject to change without notice. DS-xxx.0-1017 L=span length (except where local building codes specify more stringent deflection requirements). For latest revision, check our website at www.laticrete.com.

Cautions

- Consult SDS for more safety information.
- During cold weather, protect finished work from elements until fully cured.
- Contains portland cement. 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. Do not breathe dust. Wear a respirator in dusty areas.
- Keep out of reach of children

4. TECHNICAL DATA

Physical Properties

Testing	Results (Render/Repair)
Compressive Strength ASTM C109	7 day = 1500 to 2000 psi (10.3 to 13.8 MPa) 28 day = 2200 to 3200 psi (15.2 to 22.1 MPa)
Flexural Strength ASTM C348	7 day = 500 to 700 psi (3.4 to 4.8 MPa)
Tensile Adhesion Strength ASTM C1583	28 day = 125 to 175 psi (0.9 to 1.2 MPa)

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.

Working Properties

Properties	Time
Initial Set	4 to 6 hours
Final Set	8 to 10 hours
Pot Life	2 hours
Time to Install Veneer	16 hours
Time to Install Liquid Membrane (1/2" to < 5/8")	72 hours

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, laitance, paint, concrete sealers or curing compounds. Dry dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. Expansion joints shall be provided through the tile work 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 EJ171 “Movement joints-Vertical & Horizontal”. Do not cover expansion joints with mortar.

Application

Wall Renders

• Mixing Wall Renders

Mix a 30 lb bag (13.6 kg) of MVIS Lite Wall Float to 5.5 to 5.6 qts (5.2 to 5.3 L) of water. Mix to a plastic consistency. Allow mortar to slake for 5 minutes. Remix without adding any more water or powder.

• Wall Renders—Installation

No slurry bond coat is required prior to placing wall renders. Apply wall render with a steel trowel pressing mortar into good contact with the substrate.

Application thicknesses over 3/4" (19 mm), apply a “scratch coat” first. Scratch mortar before it hardens. After “scratch coat” hardens, apply the “brown or float coat” working the mortar into good contact with the scratch coat. Do not exceed 3/4" (19 mm) thickness per lift. Scratch all lifts that will receive additional float coats. Float wall with steel trowel and straight edges to form a plumb and true mortar surface. Allow the completed render coats to cure for 24 hours at 70°F (21° C) prior to the installation of manufactured stone, cast stone, thin brick, natural cut stone veneer and more.

Concrete Repair

• Concrete Repair and Resurfacing – Installation

Mix a 30 lb bag (13.6 kg) of MVIS Lite Wall Float to 5.5 to 5.6 qts (5.2 to 5.3 L) of water. Mix to a plastic consistency. Allow mortar to slake for 5 minutes. Remix without adding any more water or powder.

• Cold Weather Note

The setting of portland cement mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. Refer to TDS 175M for more info.

• Hot Weather Note

The evaporation of moisture in portland cement mortars is accelerated by hot, dry conditions. Apply mortar to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 90°F (32°C). Note: A slurry bond coat should also be applied to the edges of mortar beds installed from previous work periods. Cleaning Clean tools and tile work with water while the mortar is fresh. Refer to TDS 176M for more info.

6. AVAILABILITY AND COST

Availability

LATICRETE 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 laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 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)

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235

Telephone: +1.203.393.0010, ext. 1235

Fax: +1.203.393.1948

Technical and Safety Literature

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

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