



MVIS™ Epoxy Pointing Mortar

DS-273-0522

**Globally Proven
Construction Solutions**



Packaging

Yield	Parts A & B	Part C Color Powder
3.2 US gal (12.0 L)	A: 4 x 1.3 lb (0.6 kg) B: 4 x 1.3 lb (0.6 kg)	C: 4 x 9.0 lb (4.0 kg)

1. PRODUCT NAME

MVIS™ Epoxy Pointing Mortar

2. MANUFACTURER

LATICRETE International, Inc.

1 LATICRETE Park North

Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 1235

Toll Free: 1.800.243.4788, ext. 1235

Fax: +1.203.393.1684

Website: laticrete.com

3. PRODUCT DESCRIPTION

MVIS Epoxy Pointing Mortar is a high performance MVIS Epoxy Pointing Mortar that offers excellent color uniformity, durability, stain resistance and sanitary, full joints in an easy-to-use, non-sag formula

Uses

- Structural Glazed Facing Tile (SGFT), glazed concrete block and glazed clay tile
- Residential and commercial
- Interior and exterior
- Walls and overhead applications
- Wet areas

Advantages

- Stain resistant
- Improved non-sag formula
- Uniform color – no blotchiness or fading
- Easy to maintain – cleanable to the original color
- 80 minutes working time at 70°F (21°C)
- Inhibits the growth of mold and mildew within the treated article with antimicrobial technology
- Tough, durable and crack resistant

Suitable Substrates

Colors

- #24 Natural Grey
- #39 Mushroom
- #40 Latte
- #44 Bright White
- #45 Raven
- #46 Quarry Red
- #58 Terra Cotta
- #66 Chestnut Brown
- Custom colors available

Approximate Coverage

Commercial Unit fills 600–650 linear ft (183–198 linear m) of 3/8" (9 mm) wide x 1/4" (6 mm) deep joint

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for the time listed below if stored at temperatures greater than 32°F (0°C) and less than 95°F (35°C). Part A & B Liquids – two (2) years Part C Powder – no limit* *High humidity will reduce the shelf life of bagged product.

Limitations

- For use on walls and overhead applications.
- Not for use in areas subjected to harsh chemicals, or areas exposed to aggressive cleaning regimens (e.g. steam cleaning). Not for use on floor and base areas in veterinary clinics, kennels, or in applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. For these areas LATICRETE recommends using grout that meets ANSI A118.5 such as SPECTRALOCK® 2000 IG.
- MVIS Epoxy Pointing Mortar is not a replacement for a waterproofing membrane or air and water barrier.

When a waterproofing membrane or air and water barrier is required, use MVIS Air & Water Barrier (see Section 10 FILING SYSTEMS).

Total VOC Content pounds/gallon (grams/liter) of product in unused form is 0.00026 lb/gal (0.031 g/?).

Applicable Standard

- ANSI A118.3 tested with 1244 Bright White

Cautions

- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- MVIS™ Epoxy Pointing Mortar liquid components cause severe skin burns and serious eye damage.
- Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest internally. Silica sand may cause cancer, respiratory irritation, or serious lung problems. Do not breathe dust. Wear a respirator or dust mask. See SDS for more information.
- Protect from freezing.
- Light colors may darken and dark colors may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Services for specific exterior recommendations.
- Maximum stain protection is achieved in seven days at 70°F (21°C). Protect from exposure to acids and strong cleaners during this period. Protect MVIS Epoxy Pointing Mortar from dirt, construction debris, and contamination for 7 days @ 70°F (21°C).
- MVIS Epoxy Pointing Mortar is a sanded product. Use of sanded pointing mortars in joints <1/8" (3 mm) will result in a coarser surface compared to surfaces in wider joints.
- Some soft polished marble or delicate glazed or glass tile might be scratched by MVIS Epoxy Pointing Mortar during installation. Apply a small test area to determine results before grouting entire installation.
- Epoxy resins may affect the color of white or porous stones (such as White Carrara, Thasos White, Royal Danby etc.).
- Test stones for compatibility with water and cleaning additive mixture.
- Keep out of reach of children.

Physical Properties

Test/Test Method	Description	Results
ANSI A118.3 E5.1	Water Cleanability	Water Cleanable at 80 Minutes
ANSI A118.3 E5.2	Initial Set Service Strength	> 2 hours < 24 hours
ANSI A118.3 E5.3	Shrinkage	0.10%
ANSI A118.3 E5.4	Vertical Joint Sag	Pass
ANSI A118.3 E5.5	Quarry/Quarry Bond Strength	1000–1050 psi (Tile Failure) 6.9–7.2 MPa
ANSI A118.3 E5.6	Compressive Strength	3500–3800 psi (7 days) 24.1–26.2 MPa
ANSI A118.3 E5.7	Tensile Strength	1100–1150 psi (7 days) 7.6–7.9 MPa
ANSI A118.3 E5.8	Thermal Shock	820–900 psi 5.7–6.2 MPa

Chemical Resistance* Chart

Chemical Name	Splash Exposure (30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
20% Sulfuric Acid	R	R*	NR*
5% Lactic Acid (Milk)	R	R	R
50% Tannic Acid	R	R	R
50% Tartaric Acid	R	R	R
10% Oxalic Acid	R	R	R
5% Acetic Acid (Vinegar)	R	R	R
5% Benzoic Acid	R	R	R
3% Formic Acid	R	R	NR
5% Citric Acid (Gatorade Drink)	R	R	R
10% Potassium Permanganate	R*	R*	R*
1% Potassium Permanganate	R*	R*	R*
5% Sodium Hypochlorite (Bleach)	R	R	NR
45% KOH (Cascade)	R	R	R
Distilled Water	R	R	R

4. TECHNICAL DATA



VOC/LEED Product Information

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.

Chemical Resistance Chart**

Chemical Name	Splash Exposure (30 min.)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
Mineral Water	R	R	R
Sea Water	R	R	R
Methanol	R	NR	NR
10% Ethanol (wine, beer)	R		

Working Properties

Density—15 lbs/gal (1.8 g/ml)

Test Standard		Temperature		
		40°F (4°C)	70° (21°C)	95°F (35°C)
ANSI A118.3 E-5.1	Working Time	120 min.	80 min.	30 min.
W.I. 9.1.73	Tack Free Time	12 hrs.	4 hrs.	2 hrs.
W.I. 9.1.73	Dirt, Stain Resistance, Food Spills, Household Cleaners	14 days	7 days	3 days
W.I. 9.1.73	Full Cure	28 days	14 days	7 days

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

- See DS 273.5, How To Install MVIS™ Epoxy Pointing Mortar, for detailed installation instructions. This document is included in all MVIS Epoxy Pointing Mortar Part AB units. Conduct test area to determine suitability and acceptability with veneer.

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:

- DS 230.13: 1 Year Product Warranty

8. MAINTENANCE

MVIS Epoxy Pointing Mortar requires routine cleaning with a neutral pH soap and water.

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.

10. FILING SYSTEM

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

- DS 230.13: LATICRETE Product Warranty (United States and Canada)
- DS 030.0: SPECTRALOCK® 2000 IG
- DS 661.0: MVIS Air & Water Barrier
- DS 273.5: How To Install MVIS Epoxy Pointing Mortar

LATICRETE International, Inc.

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