



MVIS™ WCI

DS-36616-0221

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

MVIS™ WCI

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

MVIS™ WCI is single component, load bearing, fluid applied, bulk water management, crack isolation, air barrier membrane. MVIS WCI produces a seamless, monolithic elastomeric coating and bonds directly to a wide variety of substrates. MVIS WCI is a low VOC, self-curing, water – based formula containing antimicrobial technology used in construction to improve building efficiencies & durability. MVIS WCI is designed to protect the building finishes.

Uses

- Performs as a bulk water management system and crack isolation membrane in an MVIS system when placed under exterior veneer finishes (ceramic tile, stone, manufactured stone veneer and directly over cement backer board.)
- Used as a component with air barrier assembly, when used with other wall components within the building envelope.

- Can handle up to an 1/8" in-plane movement without cracking through finished material.
- Consult LATICRETE Technical Services Department for further options.

Advantages

- Superior Crack Isolation to help prevent in-plane movement from transmitting through finished materials
- Bulk Water Management to help prevent water migration through the full system
- Adhered Exterior veneers may be installed to membrane using Polymer Fortified Veneer Mortars over concrete, brick, cement plaster and cement backer board
- Excellent bond strength.
- Equipped with Microban anti-microbial technology to protect the treated article.
- Lighter color for ease of inspection.
- No solvents and non-flammable.
- Exceeds ANSI A118.12

Suitable Substrates

- Cement Backer Board (Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use)
- Cement Block
- Concrete and Brick Masonry (Suitable as a load bearing substrate for installation of direct adhered masonry veneers)
- Concrete Block

Packaging

5 Gallon Pail (18.9L) (36 commercial units/pallet)

Approximate Coverage

Commercial Unit: 250 ft² (23.2 m²) Each wet coat thickness is 15 – 22 mils, 0.015" – 0.022" (0.4 – 0.6mm); use wet film gauge to check thickness; consumption/coat is approximately 0.01 gal/ft² (0.4 L/m²); coverage/coat is approximately 50 ft²/gal (1.25 m²/L). Applied in two coats for a total dry coat thickness of 20-30 mils, 0.02-0.03" (0.5-0.8mm); for a total of 250 ft² per 5 gallons/23.2m² per (18.9 L) pail.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for two (2) years if stored at temperatures >32°F (0°C) and <110°F (43°C).>

Limitations

Do not bond to particle board, interior glue plywood, luan, Masonite® or hardwood surfaces.

When used as a component of an air barrier system, MVIS™ WCI does not function as a waterproofing membrane.

MVIS WCI may not necessarily be recommended outboard of the insulation in some Climate Zones.

Always consult with design professional for membrane position in an assembly.

OSB is not suitable as a veneer substrate.

Do not install over structural cracks, cracks with vertical movement or cracks with >1/8" (3 mm) horizontal movement.

Do not use as a primary roofing membrane over occupied space.

Do not expose to negative hydrostatic pressure, rubber solvents or ketones.

Do not expose membrane directly to sun or weather for more than 90 days for direct adhered masonry veneer installations.

Do not use below grade.

Do not install if surface or air temperature is below 50°F (10°C) or above 90°F (32°C).

Not for use beneath directly applied cement or other plaster finishes. Consult with plaster manufacturer for their recommendations when waterproofing membrane is required under plaster finishes.

Cautions

Cautions Consult SDS for safety information.

- Review local building codes and obtain any required approvals before using MVIS™ WCI.
- Placement of MVIS WCI in a wall assembly to be determined by project design professional.
- It is the responsibility of the project design professionals to ensure that the air barrier, vapor barrier, insulation, and waterproofing membrane are all properly placed to prevent the movement of air and moisture into and out of the building to ensure maximum performance.
- Allow wet mortars/renders to cure for a minimum of 72 hours at 70°F (21°C) / 50% R.H. prior to installing MVIS WCI.
- For all finishes: The successful performance and installation of exterior finishes is dependent upon the proper design and construction of the finish, adjacent building materials and systems of the assembly. Follow all applicable industry guidelines and building codes for the respective utilized finish.
- When MVIS WCI is installed in conjunction with other building materials; it must be properly integrated so that water is diverted to the exterior of the wall system.
- Use of certain additives, coatings or cleansers on or in the façade system may impact the performance of MVIS WCI. It is the user's responsibility to determine the proper construction materials needed.
- For adhered veneer applications, substrates must be structurally sound, stable and rigid enough to support the intended finish. Substrate deflection under all live,

dead and impact loads, including concentrated loads, must not exceed L/600 where L=span length.

- Placement of MVIS WCI in a wall assembly to be determined by project design professional.

4. TECHNICAL DATA

VOC/LEED Product Information

Total VOC content pounds/gallon (grams/liter) of product in unused form is 0.02lb/gal (2.39 g/l).

Applicable Standard

- ANSI 118.12

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 How to Install Instructions DS-3227-0820 for complete installation instructions.

MVIS™ WCI can be applied using airless spray equipment or paint roller. All areas must have two coats to ensure proper coverage. Substrate will not show through LATICRETE WCI if coated with 0.020–0.030" (0.5–0.8 mm) of dried membrane. Color changes from off-white to white when fully cured. Refer to LATICRETE® TDS 410M for more information on the spray application of MVIS WCI.

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:

8. MAINTENANCE

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. 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:

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 230.15 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-3227 How to / Installation Instructions
TDS 410M Spraying MVIS WCI

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