MVIS™ Flexible Sealing Tape

DS-659.0-0316

Globally Proven Construction Solutions

1. PRODUCT NAME

MVIS™ Flexible Sealing Tape

2. MANUFACTURER

LATICRETE International, Inc.
1 LATICRETE Park North
Bethany, CT 06524-3423 USA
Telephone: +1.203.393.0010, ext. 235
Toll Free: 1.800.243.4788, ext. 235
Fax: +1.203.393.1684
Website: **www.laticrete.com**

3. PRODUCT DESCRIPTION

MVIS Flexible Sealing Tape is a flexible, stretchable, and tear resistant flashing detail tape that allows for easy installation in awkward configurations such as arched window or door openings, I-beams, and other wall penetrations. MVIS Flexible Sealing Tape is a self-adhering air, vapor and weather barrier that protects structures from air, vapor, wind, and rain. MVIS Flexible Sealing Tape is a stretchable flashing tape made from an elastic non-woven polyolefin factory laminated to a proprietary adhesive. It can be used as a transition material with MVIS Air & Water Barrier where different substrates meet to provide continuity.

Uses

- A tough, long-lasting detail tape for window sills and penetrations that adapts to difficult shapes.
- Windows, doors, pipes, vents and other transitions to the building substrate
- MVIS Flexible Sealing Tape is wrapped into the window pane opening before the window is installed, flashing the bottom corners at the window sill.
- MVIS Flexible Sealing Tape provides superior moisture protection at the most vulnerable points of air and water intrusion.

Advantages

- Peel and stick flexible transition tape with a heavy duty adhesive
- Adapts to difficult shapes: round top windows, window sills, and wall penetrations
- Adhesive is backed with a removable release liner.
- UV-resistant for up to 120 days
- Tear resistant
- Maintains performance in extreme temperatures

Suitable Substrates

- Concrete & Brick Masonry
- Cement Plaster
- Oriented Strand Board (OSB) *
- Exterior Glue Plywood *
- Cement Backer Board *
- Glass Mat Gypsum Exterior Sheathing Panels *
- Vinyl
- Aluminum
- Metal
- Structurally Backed Foam

*Consult panel manufacturer for specific installation recommendations and to verify acceptability for intended use.

Packaging

The MVIS Flexible Sealing Tape is available in two widths:
6” x 75’ (15 cm x 23 m) roll, 1 roll per carton
9” x 75’ (23 cm x 23 m) roll, 1 roll per carton

Approximate Coverage

The 6” x 75’ (15 cm x 23 m) roll will cover 37.5 ft² (3.5 m²)
The 9” x7 5’ (23 cm x 23 m) roll will cover 56.3 ft² (5.2 m²)

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area at temperatures >32°F (0°C) and <110°F (43°C).

Limitations

- The design professional/specifier must detail and specify vapor barrier layer material type and location within the installation assembly and in accord with local building codes and to determine suitability of MVIS Flexible Sealing Tape products within the installation assembly.
- Do not direct bond MVIS Masonry Veneer to MVIS Transition Tape Primer.
- Do not expose the MVIS Air & Water Barrier installed system of products directly to sun or weather for more than 90 days.
- Do not use below grade.

- MVIS™ Air & Water Barrier installed system is a secondary weather barrier. The outer facade finish is the primary weather barrier and must be installed and maintained per manufacturer's guidelines in order to ensure the proper performance of MVIS Flexible Sealing Tape.
- Do not install if surface or air temperature is below 50°F (10°C) or above 90°F(32°C).
- The MVIS Flexible Sealing Tape Primer is not for use beneath cement or other plaster finishes. Consult with plaster manufacturer for their recommendations when waterproofing membrane is required under plaster finishes.

Cautions

- Review local building codes and obtain any required approvals before using MVIS Flexible Sealing Tape. Placement of the MVIS Flexible Sealing Tape in a wall assembly to be determined by project design professional.
- Mechanical anchors, brick ties, furring strips, finish cladding supports or other penetrations through the MVIS Flexible Sealing Tape should be sealed and made air and water tight.
- 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 Flexible Sealing Tape products are installed in conjunction with other building materials; they 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 Air & Water Barrier products. It is the user's responsibility to determine the proper construction materials needed.
- Placement of MVIS Flexible Sealing Tape in a wall assembly to be determined by project design professional.
- Must be covered with finish surface or protective coating within 120 days.
- For best results first primer the substrate using MVIS Transition Tape Primer.

4. TECHNICAL DATA

Applicable Standard

(Recognized standard)

Physical Properties

Physical Property	Test Method	Direction	Results
Tensile Strength	ASTM D828	Machine Direction	30 psi
Tensile Strength	ASTM D828	Cross Direction	32 psi
Trapezoidal Tear Strength	ASTM D117	Machine Direction	15 lbs
Trapezoidal Tear Strength	ASTM D117	Cross Direction	17 lbs
Water Vapor Transmission	ASTM E96A	NA	28 Grains/h/ft²/in Hg (perms)
Water Resistance	ASTM D779	NA	Pass
Air permeance	ASTM E2178	NA	<0.001 L/s/m²

Working Properties

MVIS Flexible Sealing Tape will not rot, crack, craze or sag like typical rubberized-asphalt adhesives. MVIS Flexible Sealing Tape is made from an elastic non-woven polyolefin factory laminated to a proprietary adhesive.

Specifications are 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 to receive MVIS Transition Tape Primer must be free from frost, dirt, grease, oil or other contaminants. Failure to remove excessive dirt may result in membrane adhesion failure.

Primer

Application

Apply MVIS Transition Tape Primer in dry weather with ambient and substrate temperatures above 40ºF (5ºC). Surface must be dry and clean. Primer may be applied by brush, roller or spray. Coverage rate of primer is approximately 350-450 ft² (32.4-41.7m²) / gallon (3.8 ℓ) on exterior sheathing panels and 250-350 ft² (23.1-32.4 m²) / gallon (3.8ℓ) on CMU, concrete and more porous surfaces.

Drying

Allow MVIS Transition Tape Primer to dry until surface becomes tacky. Drying times may vary depending on temperature and humidity conditions. Typical drying time ranges from 10-30 minutes. Cured primer can be used up to 24 hours. If 24 hours has elapsed, re-apply the primer.

Storage & Handling

MVIS Flexible Sealing Tape Primer should be stored under cover in original sealed containers above 40ºF (4ºC) and below 100ºF (38ºC). The shelf life is 1 year for unopened containers. Do not use MVIS Flexible Sealing Tape Primer that have been frozen.

Cleanup

Wet uncured primer may be removed with clean water. For dry fully cured primer, a citrus based cleaner may be used,

MVIS Flexible Sealing Tape

Application

Cut MVIS Flexible Sealing Tape to the desired length and pre fit into place. Place MVIS Flexible Sealing Tape with the release paper still attached over the area to be treated. Roll up half of the membrane leaving the other end unrolled. Cut the release paper from the rolled portion of the membrane and slowly pull the release paper towards you exposing the tacky surface of the membrane and carefully attach the membrane onto the substrate, avoiding wrinkles and bubbles. When this portion of the membrane is installed, repeat the procedure with the unrolled portion of the membrane. Press firmly to ensure good contact with substrate and to minimize air entrapment immediately after installation. Work from the center of the membrane to the edges. MVIS Air & Water Barrier can be applied immediately after the MVIS Flexible Sealing Tape has been installed. Lap the MVIS Air & Water Barrier over the MVIS Flexible Sealing Tape by 2" (5 cm) using a paint brush making sure to eliminate any skips or voids at the tape edge.

Cleaning

Material can be cleaned with a mild soap and warm water.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For Distributor information:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

For online distributor information, visit LATICRETE at **www.laticrete.com**.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM.

DS 230.13: LATICRETE Product Warranty

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:

Toll Free: 1.800.243.4788, ext. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

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 661.0: MVIS™ Air & Water Barrier
DS 303.0: MVIS Transition Tape Primer

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