



HYDRO BAN Instant Cure

DS-65483-0723

**Globally Proven
Construction Solutions**

1. PRODUCT NAME

HYDRO BAN Instant Cure

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

HYDRO BAN® Instant Cure is powder based material that is added to water and sprayed over the top of select Latex based liquid applied membranes allowing them to cure rapidly.

Uses

See DS Information for applicable latex based membrane

- HYDRO BAN One
- 9235

Advantages

- Powder based material
- Mixed in water
- Rapidly Accelerates the Curing Process of the latex based membrane it is applied over
- Spray Applied - Traditional Trigger Spray bottle / pump sprayer / electric or battery paint sprayer
- Color changing technology for ease of inspection and cure time notification
- Hi-Vis pigment for enhanced visibility and easier lay-out
- Non-flammable

Suitable Substrates

- Cement Backer Board
- Cement Mortar Bed
- Cement Plaster
- Cement Terrazzo
- Concrete

- Concrete and Brick Masonry
- Poured Gypsum Underlayment
- Self-Leveling and Patching Compounds
- Exterior Glue Plywood (Interior Only)
- Ceramic Tile and Stone
- Gypsum Wallboard (Interior use only, non-wet areas)
- Gypsum Plaster (Interior use only, non-wet areas)
- HYDRO BAN Board

Packaging

- Single Packet 1-pack = 70g
- 5 Pack Box = 5 x 1 (single) / 70g x 5
- 30 Pack Case = 30 x 1 (single) 70g x 30

Approximate Coverage

- Single Packet 1-pack = 50 sqft of membrane
- 5 Pack Box = 250 sqft of membrane
- 30 Pack Case = 30x 250 sqft of membrane

Limitations

- Consult the DS for the applicable latex membrane that the spray is being applied over for applicable limitations, cautions and physical properties.

Cautions

- Consult SDS for safety information.
- Consult the DS for the applicable latex membrane that the spray is being applied over.
- Allow membrane to cure fully (typically 24 hours at 35°F – 69°F (2°C – 21°C) and 70% RH and after full color change at 70°F (21°C) or higher and 50% RH before flood testing); flood test prior to applying tile or stone.
- HYDRO BAN Instant Cure will go from a red to a translucent finish when fully cured. All flood test times should be after the coat is fully cured with no red areas showing.
- Maximum amount of moisture in the concrete substrate should not exceed 5 lbs/1,000 ft² (283 µg/s m²)/24 hrs per ASTM F-1869 or 85% relative humidity per ASTM F-2170 as measured with moisture probes.
- Protect finished work from traffic and /or added water / moisture until fully cured.

- For white and light-colored marbles, use a white Latex Portland Cement Thin Set Mortar.
- For green and moisture sensitive marble, agglomerates and resin backed tile and stone use LATAPOXY® 300 Adhesive (refer to DS-633).
- Allow wet mortars to cure for 72 hours at 70°F (21°C) prior to installing latex membrane and INSTANT Cure spray.
- After application the time to tile will vary depending on substrate, temperature and relative humidity.

4. TECHNICAL DATA

Applicable Standard

See DS Information for applicable latex based membrane

- HYDRO BAN One
- 9235

Physical Properties

The data in the above table shall be used by the Project Design Professional to determine suitability, placement, building code conformance and over-all construct appropriateness of a given installation assembly.

Substrate	Time to Flood Test (min.)****
Cement Back board	10
Concrete	10
Fiber Cement Underlayment	10
Lightweight Wall Board	15

*After application coat is applied at 70°F (21°C) and 50% RH. The time to tile will vary depending on substrate, temperature and relative humidity.

Working Properties

HYDRO BAN® Instant can be applied by a variety of different spray options, such as a traditional trigger sprayer, pump sprayer, electric or battery powered paint spray . All areas must be fully coated to stated application thickness to ensure waterproofing capabilities. Color changes from a light RED to a translucent when fully cured.

Shelf Life

- 2 years unopened in powder form, when stored at 70°F (21°C) and 50% RH
- 2 months when mixed with water and stored 70°F (21°C) and 50% RH

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

Working Properties

HYDRO BAN® Instant Cure can be applied by a variety of different spray options, such as a traditional trigger sprayer, pump sprayer, electric or battery powered paint spray . All areas must be fully coated to stated application thickness to ensure waterproofing capabilities. Color changes from a light RED to a translucent when fully cured.

Main Application with Instant Cure spray

It is recommended that the spray be mixed before applying the latex membrane in order to provide time for the Instant Cure powder to dissolve completely. To produce the Instant cure spray, empty the Instant Cure powder into the spray bottle and add 8 ounces of water. Do not over-dilute the instant cure spray because over dilution can reduce the effectiveness of the spray. Mix thoroughly. The sprayer must be adjusted to a fine spray; too heavy a stream from the sprayer can damage the latex membrane coating. Test the spray to ensure that a fine mist is being produced by the sprayer. After applying latex membrane, spray the latex membrane coating with the Instant Cure spray. Let the coat dry to the touch and test the firmness of the by pressing on the film. The coating should be tack free and firm to the touch – not spongy. Time to flood test will be affected by environmental factors such as substrate, humidity, and temperature. One bottle of Instant Cure spray covers 50 square feet of latex membrane coating.

Movement Joints

Note: Consult the DS for the applicable latex membrane that the spray is being applied over for applicable limitations, cautions and physical properties.

Protection

Provide protection for newly installed membrane, even if covered with a thin bed ceramic tile, stone or brick installation, against exposure to rain or other water for a minimum of 2 hours at 70°F (21°C) and 50% RH.

Flood Testing

Allow spray over membrane to cure fully before flood testing, typically 5 to 20 minutes after final cure at 70°F (21°C) and 50% RH. Cold and/or wet conditions will require a longer curing time. The Hydro Ban Instant Cure may still be present on top of the WPM after these times. Feel free to wipe the remainder of loose liquid to begin tiling (laying tile?, troweling?) with the adhesive.

Installing Finishes

Once latex membrane + spray has dried to the touch, ceramic tile, stone or brick may be installed by the thin bed method with a Latex Thin-Set Mortar. Allow latex membrane + spray to cure 5 to 20 minutes at 70°F (21°C) and 50% RH before covering with, thick bed mortar, epoxy adhesives, terrazzo or moisture sensitive resilient or wood flooring. Do not use solvent based adhesives directly on the latex membrane.

Drains & Penetrations Use LATASIL and foam backer rod to seal space between drain or penetration and finish. Do not use a grout or joint filler mortar.

Control Joints

Ceramic tile, stone and brick installations must include sealant- filled joints over any control joints in the substrate. However, the sealant filled joints can be offset horizontally by as much as one tile width from the substrate control joint location to coincide with the grout joint pattern.

Movement Joints

Ceramic tile, stone and thin brick installations must include expansion at coves, corners, other changes in substrate plane and over any expansion joints in the substrate. Expansion joints in ceramic tile, stone or brickwork are also required at perimeters, at restraining surfaces, at penetrations and at the intervals described in the Tile Council of North America, Inc. (TCNA) Handbook Installation Method EJ171. Use LATASIL and backer rod.

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:

- 25 Year System Warranty (US) (English)
- 10 Year System Warranty (US) (English)
- 1 Year Product Warranty (US) (English)
- LATICRETE Lifetime System Warranty (US) (English)

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:

- DS 230.13: LATICRETE Product Warranty
- DS 230.05: LATICRETE 5 Year System 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 230.99: LATICRETE Lifetime System Warranty (United States and Canada)
- DS 633.0: LATAPOXY 300 Adhesive
- DS 6200.1: LATASIL™
- TDS 152: "Bonding Ceramic Tile, Stone or Brick Over Wood Floors"
- TDS 157: "Exterior Installation of Tile and Stone Over Occupied Space."

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