



HYDRO BAN® Inside & Outside Corners

DS-65485-0326

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

HYDRO BAN® Inside & Outside Corners

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

HYDRO BAN® Inside & Outside Corners make waterproofing fast, easy, and reliable. These durable, flexible components are designed for use with inside or outside corners in showers and wet areas. Preformed and fleece-backed, these corners accommodate a range of installation preferences and performance requirements.

Use in conjunction with HYDRO BAN® Sheet Membrane, Sealing Tape, Collars, and other accessories for a complete waterproofing system. The sturdy yet pliable construction allows the corners to easily conform to angles and substrates, creating a continuous waterproof and vapor barrier. Installed with adhesive mortar, these components are ideal for use in high-performance environments such as steam showers, bathrooms, and wet rooms.

This solution addresses common leak points and ensures long-term protection at changes in plane and corners — making these components essential for high-quality corner waterproofing efforts.

Uses

- Interior applications
- Showers or tub surrounds
- Bathrooms
- Commercial and residential kitchens
- Backsplashes
- Walls and floors
- Wet areas
- Steam Showers / Steam Rooms

Advantages

- Preformed, jobsite-ready corners – simplifies waterproofing of difficult inside and outside joints.
- Multi-layered waterproof membrane – provides long-lasting vapor and water protection.
- Steam room and shower compatible – reliable in high-humidity, high-performance settings.
- Part of the HYDRO BAN® Shower System – eligible for a lifetime system warranty.

Suitable Substrates (Interior Use Only)

- Concrete
- Concrete Masonry
- Brick Masonry
- Cement Mortar Bed
- Cement Plaster
- Gypsum Wallboard
- Exterior Glue Plywood (Interior Only)
- Ceramic Tile and Stone
- Cement Terrazzo
- Cement Backer Board
- Poured Gypsum Underlayment

Packaging

See Packaging and Approximate Coverage Table

Approximate Coverage

HYDRO BAN Sheet Membrane Corners	
9.8"x9.8"x5.4	2 per bag 12 bags per carton

Limitations

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

- Do not use as a primary roofing membrane over occupied space. For more information on installation of tile over wood decks, or, over occupied or finished spaces please refer to TDS 157 “Exterior Installation of Tile and Stone Over Occupied Space.”
- Do not use over dynamic expansion joints, structural cracks or cracks with vertical differential movement.
- HYDRO BAN® Sheet Membrane is not recommended for submerged applications. For these applications, use HYDRO BAN waterproofing membrane.
- Do not use over existing cracks.
- Do not expose to negative hydrostatic pressure, rubber solvents or ketones.
- Must be covered with ceramic tile, stone, brick, screeds, terrazzo, or other traffic-bearing finish. Use protection board for temporary cover.
- Do not install directly over single layer wood floors, plywood tubs/showers/fountains or similar constructs.
- Not for use beneath cement or other plaster finishes. Consult with plaster manufacturer for their recommendations when waterproofing membrane is required under plaster finishes.
- Not for use under self-leveling underlayments or decorative wear surfaces.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.
- Consult gypsum board manufacturer and local building code for use in wet areas

Cautions

- Protect finished work from traffic until fully cured.
- For white and light-colored marbles, use a white LATICRETE® Latex Portland Cement Thin Set Mortar.
- Use care not to damage HYDRO BAN Sheet Membrane prior to installation of tile or stone finishes. Cover with protection board to protect from foot traffic and other trades when installing on horizontal surfaces.
- Wait a minimum of 24 hours after the installation before flood testing in order to allow the thin-set to fully cure and insure the integrity of all seams. (non-peel & stick version only)

4. TECHNICAL DATA

Applicable Standard

- ANSI A118.10 - Exceeds all requirements
- ASTM D4068
- ASTM E96/E96M Procedure E-0.06 Perms - approved for steam showers / rooms as single membrane
- IAPMO approved

Physical Properties

Working Properties

HYDRO BAN Sheet Membrane products are constructed of two outer layers of non-woven polypropylene and one inner layer of polyethylene. This three layer membrane when properly installed will protect tile installations from moisture migration and minor substrate cracking.

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

HYDRO BAN INSIDE & OUTSIDE CORNER- LEGACY Surface Preparation

Surface temperature must be 50 – 90°F (10 – 32°C) during application and for 24 hours after installation. All substrates must be structurally sound, clean and free of dirt, oil, grease, paint, laitance, efflorescence, concrete sealers or curing compounds. Make rough or uneven concrete smooth to a wood float or better finish with a suitable LATICRETE underlayment. Do not level with gypsum or asphalt based products. Maximum deviation in plane must not exceed 1/4" in 10 ft (6 mm in 3 m) with no more than 1/16" in 1 ft (1.5 mm in 0.3 m) variation between high spots. Dampen hot, dry surfaces and sweep off excess water—installation may be made on a damp surface.

1. Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Installer must verify that deflection under all live, dead and impact loads of interior plywood floors does not exceed industry standards of L/360 for ceramic tile and brick or L/480 for stone installations and L/600 for all exterior veneer applications where L=span length.

2. Minimum construction for interior plywood floors. **SUBFLOOR:** 5/8" (15 mm) thick exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced 16" (400 mm) o.c. maximum; fasten plywood 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. along intermediate supports with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) between sheet ends and 1/4" (6 mm) between sheets edges; all sheet ends must be supported by a framing member; glue sheets to with construction adhesive.

UNDERLAYMENT: 5/8" (15 mm) thick exterior glue plywood fastened 6" (150 mm) o.c. along sheet ends and 8" (200 mm) o.c. in the panel field (both directions) with 8d ring-shank, coated or hot dip galvanized nails (or screws); allow 1/8" (3 mm) to 1/4" (6 mm) between sheets and 1/4" (6 mm) between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 “Bonding Ceramic

Tile, Stone or Brick Over Wood Floors” for complete details.

Treat Cracks & Joints

Fill all substrate cracks, cold joints, and control joints to a smooth finish using a LATICRETE® polymer fortified thin-set.

Application

- Measure and cut all of the HYDRO BAN® Sheet Membrane sections and HYDRO BAN Sheet Membrane Sealing Tape strips to the proper size before mixing the substrate appropriate LATICRETE thin-set.
- Mix the LATICRETE thin-set to a fairly wet consistency but still able to hold a notch. Dampen excessively dry porous surfaces in order to prevent premature drying and skinning of the thin-set. If skinning does occur remove thin-set and reapply using fresh mortar.
- To create the watertight system, the installation process will rely on the layering of components; start with the corners: Apply thin-set mortar with a ¼”x 3/16” (6 mm x 5 mm) V-notched trowel. Press the HYDRO BAN Sheet Membrane Corners firmly into the thin-set. Remove any trapped air and guarantee full adhesion to the material by spreading the thin-set from the inside of the corner out using a trowel or straightedge with rounded corners.
- Continue with thin-set along the floor-to-wall transition from the corner outward for the first strip of HYDRO BAN Sheet Membrane Sealing Tape. Overlap the corners by 2” (50 mm).
- Lay the tape and remove all air pockets and excess material as with the corner piece.
- For any sections where two strips of HYDRO BAN Sheet Membrane Sealing Tape will be joined, be certain to overlap the material by 2” (50 mm).
- Continue with these steps around the perimeter of the installation.
- Treat the vertical corners with the HYDRO BAN Sheet Membrane Sealing Tape next in the same manner as the floor-to-wall transitions were installed. Overlap the corners by 2” (50 mm).

Flood Testing

Allow adhesive to cure fully before flood testing, a minimum of 24 hours after final cure at 70°F (21°C) and 50% RH. Cold and/or wet conditions will require a longer curing time.

Control Joints

Ceramic tile, stone and brick installations must include sealant filled joints between the ceramic tile, stone or brick which is 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 joints 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)
- 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 230.10: LATICRETE 10 Year System Warranty (United States & 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 677.0: 254 Platinum
- DS 663.0: HYDRO BAN
- DS 6200.1: LATASIL
- DS 035.0: HYDRO BAN Bonding Flange Drain
- DS 034.0: HYDRO BAN Linear Drain
- TDS 157: Exterior Installation of Tile and Stone Over Occupied Space

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