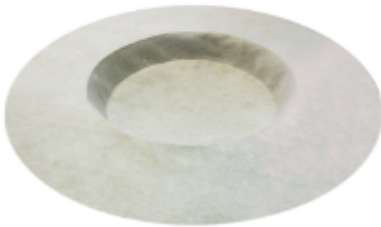




HYDRO BAN® Drain Collar

DS-65491-0925

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

HYDRO BAN® Drain Collar

2. MANUFACTURER

LATICRETE International, Inc.

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Bethany, CT 06524-3423 USA

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3. PRODUCT DESCRIPTION

The HYDRO BAN® Drain Collar is a preformed, fleece-backed waterproofing membrane ring designed to create a secure seal around clamping ring shower drains in shower pan installations. With a diameter of 17" (43 cm) and available in ¾" (19 mm) and 1 ½" (38 mm) depth profiles, the Drain Collar provides full coverage and reliable waterproofing when used in divot method installations with 3701 Fortified Mortar Bed or similar materials.

This collar integrates with HYDRO BAN® Sheet Membrane to streamline waterproofing around complex drain transitions, minimizing installation time and reducing the risk of leaks. Whether for residential or commercial applications, the HYDRO BAN Drain Collar offers a durable, easy-to-use solution for installers working with traditional mortar bed systems.

Uses

- Interior applications

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

Advantages

- Preformed waterproofing ring – speeds installation and ensures consistent coverage around clamping ring drains.
- Available in two options – ¾" (19 mm) and 1 ½" (38 mm) depths suit different mortar bed thicknesses.
- Large 17" (43 cm) diameter – provides ample membrane coverage around drain openings.
- Ideal for divot method installations – simplifies waterproofing when using mortar beds with HYDRO BAN Sheet Membrane.
- Fleece-backed membrane – seamlessly integrates with HYDRO BAN® waterproofing components and tile adhesives.
- Reduces risk of leaks at critical drain transitions – ensures long-lasting performance in wet area installations.
- 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® Drain Collar	
3/4" (20mm) Drain Collar	1 per bag
1-1/2" (38mm) Drain Collar	1 per bag

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.
- Not for use in steam showers or steam rooms
- 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.
- 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.

4. TECHNICAL DATA

Applicable Standard

- ANSI A118.10 - Exceeds all requirements
- 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 DRAIN COLLAR

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.

Treat Cracks & Joints

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

Application

- With the bottom portion of a standard clamping ring in place and sitting on the substrate a bonded or non-bonded mortar bed of 3701 Fortified Mortar Bed should be installed from the clamping ring body out to the walls of the shower sloped at 1/4" per foot (6 mm per 30.5 cm).

- Place a bead of HYDRO BAN® Adhesive & Sealant on the top surface of the body of the clamping ring outside of the clamping ring throat being careful not to block any weep holes.
- Place the HYDRO BAN Drain Collar over the standard clamping ringbolts and cut a 1/2" (12.5 mm) X through the fabric so the drain collar can slide over the bolts.
- Apply 254 PLATINUM™ thin-set adhesive mortar with a 1/4" x 3/16" (6 mm x 5 mm) V-notched trowel over the 3701 Fortified Mortar Bed. Press the HYDRO BAN Drain Collar firmly into the thin-set adhesive mortar. Remove any trapped air to ensure full adhesion to the HYDRO BAN Drain Collar material by spreading the thin-set adhesive mortar from the inside of the drain collar out using a trowel or straightedge with rounded corners.
- Place another bead of HYDRO BAN Adhesive & Sealant on the underside of the top portion of the clamping ring being careful not to block any weep holes. Place the top portion of the clamping ring over the HYDRO BAN Drain Collar and the bolts protruding up from the bottom portion of the clamping ring through the HYDRO BAN Drain Collar. Secure the clamping ring nuts and tighten as required.
- Cut a hole in the HYDRO BAN Drain Collar material to allow a drain grate to be threaded into the clamping ring. (Use of a fabric circle cutter is recommended).
- Screw the drain grate into the clamping ring assembly to the desired height for tiling. Protect weep holes in the clamping ring drain from clogging by filling the recessed area around the drain grate with rubber tile spacers or pea gravel and additional adhesive mortar.
- In providing a watertight assembly, particularly within the recessed area, cut a waterproofing membrane (e.g., HYDRO BAN Sheet Membrane) to cover the flooring from the walls up to the threaded drain grate so that the waterproofing membrane extends over the entire HYDRO BAN Drain Collar (including portions thereof residing within the recessed area), over the standard clamping ring assembly (including over and inboard all outer edges of top and bottom clamping rings of such assembly), and over the mortar and pea gravel within the recessed area around the drain grate. Cutting the waterproofing membrane so that it fits tightly around the drain grate minimizes water seepage into the mortar and pea gravel within the divot region.
- Apply 254 PLATINUM™ thin-set adhesive mortar with a 1/4"x 3/16" (6 mm x 5 mm) V-notched trowel over the 3701 Fortified Mortar Bed. Press the HYDRO BAN Sheet Membrane firmly into the thin-set adhesive mortar. Remove any trapped air and guarantee full adhesion to the material by spreading the thin-set adhesive mortar from the center of the sheet membrane out to the edges using a trowel or straightedge with rounded corners.
- Follow waterproofing membrane (e.g., HYDRO BAN Sheet Membrane DS 41) instructions on waterproofing the remainder of the shower. Provide waterproofing sealant LATASIL™ over the waterproofing membrane residing between tile/grout and drain grate over the

recessed area to further provide a watertight assembly, particularly within the recessed area.

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.

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.

Cleaning

Clean tools and tile work with water while mortar is fresh.

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 laticarete.com](http://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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