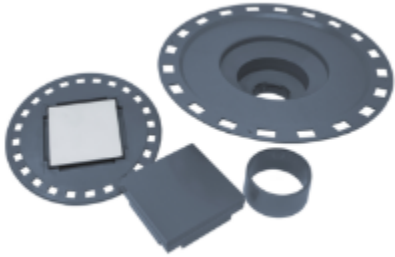




# Drains à bride de collage HYDRO BAN®

DS-36660F-0523

**Globally Proven  
Construction Solutions**



## 1. NOM DU PRODUIT

Drains à bride de collage HYDRO BAN®

## 2. FABRICANT

LATICRETE International, Inc.

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## 3. DESCRIPTION DU PRODUIT

HYDRO BAN Bonding Flange Drain and the HYDRO BAN Bonding Flange Tile Drain are low profile floor drains specifically designed for bonded waterproofing installations with HYDRO BAN waterproofing membrane. HYDRO BAN Bonding Flange Drains allow for the installation in a shower eliminating the pre-slope and primary shower pan liner according to TCNA Method B422.

### Utilisation

- Interior applications only
- Showers
- Commercial and residential bathrooms and laundries
- Kitchens and food processing areas

### Avantages

- Grates are 4"x4" (10 x 10 cm) to match most common tile sizes
- Attaches to 2" (50 mm), 3" (76 mm) and 4" (102 mm) waste lines

- Tile-in grate available to match floor tile
- Eliminates pre-slope and primary shower pan for a faster installation
- Made from heavy duty PVC or ABS and 304L stainless steel to provide long lasting performance
- HYDRO BAN waterproof membranes bond directly to PVC or ABS flange
- Integrates seamlessly with portland cement mortar beds waterproofed with HYDRO BAN

### Supports Appropriés (Usage intérieur seulement)

#### Conditionnement

Le drain à bride de collage HYDRO BAN est une bride de drain à trois morceaux, un anneau de réglage et un assemblage de grille de 127 x 127 mm (5 po x 5 po) en acier inoxydable de bronze enduit d'huile ou poli ou brossé.

Le drain à carrelage de rebord de collage HYDRO BAN est un rebord de drain à quatre morceaux, un anneau de réglage et un assemblage de grille de 127 x 127 mm (5 po x 5 po) qui peut être carrelé pour concorder avec le plancher de la douche. Tous les drains à bride de collage sont disponibles avec une bride de collage en PVC ou en ABS. Avant de commander un drain à bride de collage HYDRO BAN, vérifier le code du bâtiment local officiel pour déterminer si un drain à bride de collage HYDRO BAN en PVC ou en ABS est requis. La plupart des régions aux États-Unis exigent un raccordement de drain en PVC, à l'exception de la Californie et de certains États avoisinants.

#### Restrictions

- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a waterproofing membrane (see Section 10 FILING SYSTEMS).
- 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.

#### Mises en garde

- During cold weather, protect finished work from traffic until fully cured

## 4. DONNÉES TECHNIQUES



### Propriétés d'utilisation

The HYDRO BAN Bonding Flange Drain and HYDRO BAN Bonding Flange Tile Drain series installs per TCNA B422 using HYDRO BAN as the waterproofing membrane.

Caractéristiques sous réserve de modification sans préavis. Les résultats présentés sont typiques, mais ils reflètent les procédures d'essai utilisées. Les performances réelles sur le terrain dépendent des méthodes de pose et des conditions locales.

## 5. POSE

### Surface Preparation

All surfaces should be between 40°F (4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, laitance, paint, concrete sealers or curing compounds. Dry dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI specification A108.01 – 3.7: Requirements for Movement Joints: Preparations by Other Trades” or TCNA detail EJ – 171 “Movement Joints – Vertical & Horizontal”. Do not cover expansion joints with mortar.

### Bonded Mortar Bed—Installation

Before placing mortar, apply a slurry bond coat made from 254 Platinum. While the slurry bond coat is wet, spread 3701 Fortified Mortar and compact well. Mortar beds shall be 3/4" (19 mm) minimum to 2" (50 mm) maximum. Mortar beds in excess of 2" (50 mm) thick shall be detailed by the architect per TCNA F112. Prior to installing the HYDRO BAN® Bonding Flange Drain make sure the backer board has been installed on the walls following the manufacturer's recommendations. The HYDRO BAN Bonding Flange Drain should be installed per TCNA Method B422. Before installing the HYDRO BAN Bonding Flange Drains make sure the opening in the floor where the waste line connection is made is 4-1/4" (108 mm) in diameter. The lip of the HYDRO BAN Bonding Flange Drain should sit approximately 1-1/4" (32 mm) above the substrate. Dry

fit the HYDRO BAN Bonding Flange Drain through the hole and to the waste line below. When connecting to a 2" (50 mm) waste line which is already in place the top of the waste line should be 1-3/4" (44 mm) below the surface of the substrate. Make sure that the HYDRO BAN Bonding Flange Drain is PVC when connecting to a PVC waste line or ABS when connecting to an ABS waste line. Cement the HYDRO BAN Bonding Flange Drain in place using PVC solvent and cement for PVC and ABS solvent and Cement for ABS HYDRO BAN Bonding Flange Drain and waste line connections. Make sure that the HYDRO BAN Bonding Flange is level before the PVC or ABS cement has cured. DO NOT MIX materials, this will cause a failure in the pipe weld. When installed over EGP the bonding flange (D) Fig 1 and 2 can be screwed to the substrate using stainless steel or zinc coated 3" (76 mm) drywall screws. There are four countersunk holes around the perimeter of the bonding flange (D) for this purpose. The installation is now ready to accept the mortar bed.

**Mortar Bed—Installation Over Concrete** (see ES-B422BFD Concrete Bonded and ES-B422BFD Concrete Unbonded)

For a bonded mortar bed over concrete installation, before placing mortar, apply a slurry bond coat made from 254 Platinum. While the slurry bond coat is wet, spread 3701 Fortified Mortar and compact well. Bonded mortar beds over concrete shall be 3/4" (19 mm) minimum to 2" (50 mm) maximum. For an unbonded installation over concrete (see ES-415BFD Concrete Unbonded) a cleavage membrane as specified in ANSI A108.02-3.8 should be used in place of the slurry bond coat. When using the unbounded method install the cleavage membrane prior to the HYDRO BAN Bonding Flange Drain installation. The 3701 Fortified Mortar should be reinforced with 2" x 2" (50 x 50 mm) reinforcing mesh. Unbonded mortar beds over concrete shall be 1-1/4" (32 mm) minimum to 2" (50 mm) maximum. In both bonded and unbonded mortar bed installations place enough 3701 Fortified Mortar under the HYDRO BAN Bonding Flange Drain to support the flange of the drain. Minimum height from the flange to the substrate should be 1-1/4" (32 mm). Next place a ribbon of 3701 Fortified Mortar along the opposite walls to create a 1/4" (6 mm) per foot slope to the HYDRO BAN Bonding Flange Drain. Fill the area between the drain and the walls with 3701 Fortified Mortar; screed and compact well. Mortar beds in excess of 2" (50 mm) thick shall be detailed by the architect per TCNA F112.

**Mortar Bed – Installation Over EGP** (see ES-422BFD EGP Bonded and ES-422BFD EGP Unbonded)

For a bonded mortar bed over EGP installation, before placing mortar, install a cleavage membrane as specified in ANSI A108.02-3.8, expanded metal lath (minimum 2.5 pounds (1.1 kg)/square yard [0.84 square meters]) is then nailed or stapled to the subfloor over the cleavage membrane. The cleavage membrane and lath should be installed prior to the bonding flange (D) installation. Following the lath installation spread 3701 Fortified

Mortar and compact well. Bonded mortar beds over EGP shall be 3/4" (19 mm) minimum to 1 1/2" (38 mm) maximum. For an unbonded installation over EGP (see ES-422BFD EGP Unbonded) install a cleavage membrane as specified in ANSI A108.02-3.8 prior to the HYDRO BAN Bonding Flange Drain installation. For an unbonded mortar bed the 3701 Fortified Mortar should be reinforced with 2" x 2" (50 x 50 mm) reinforcing mesh. In both bonded and unbonded mortar bed installations place enough 3701 Fortified Mortar where the HYDRO BAN Bonding Flange Drain will be set to support under the flange of the drain. Minimum height from the flange to the substrate should be 1-1/4" (32 mm). Next place a ribbon of 3701 Fortified Mortar along the opposite wall to create a 1/4" (6 mm) per foot slope to the HYDRO BAN Bonding Flange Drain. Fill the area between the drain and the walls with 3701 Fortified Mortar; screed and compact well. Mortar beds in excess of 2" (50 mm) thick shall be detailed by the architect per TCNA F112-11.

#### **Bonding Flange Drain with a tile-in grate:**

After the bonding flange has been connected to the domestic waste line and prior to installing the 3701 Fortified Mortar, dry fit the Tip Plate © onto the Bonding Flange (D) screw on the Top and Bottom Frame (B) into Top Plate (C). Screw the Top and Bottom Frame down as far as it will go. Use the center of the Top Frame(A) as the center point when screeding 3701 Fortified Mortar out to the walls and perimeter of the shower at a 1/4" (6mm) per foot slope. You will need to create a dish effect with the 3701 when sloping down to the Bonding Flange. See Fig 1A.

#### **Installing HYDRO BAN and Tile (Fig. 1 and Fig. 2)**

1. Before applying HYDRO BAN make sure the bonding flange is clean and free of any mortar, thin-set, grease, dirt or finger prints that could cause debonding of the HYDRO BAN. Apply HYDRO BAN waterproofing membrane according to DS 663.0 and 663.5. Cover wall and mortar with two coats of HYDRO BAN. Apply two coats of waterproofing on top of the flange from the first vertical radius and onto the 3701 Fortified Mortar. Alternatively Waterproofing/Anti-Fracture Fabric can be imbedded into the HYDRO BAN around the bonding flange overlapping the flange and the 3701 Fortified Mortar. DO NOT waterproof the inside flange walls and bottom after the first vertical radius.
2. When the second coat of HYDRO BAN is dry, tile can be installed using a polymer fortified thin-set and grouted with PERMACOLOR® Select, PERMACOLOR Grout or SPECTRALOCK® PRO Premium Grout†.
3. Tile walls and floors; when thin-set and tile are ready to be installed around the HYDRO BAN Bonding Flange Drain comb thin-set onto bonding flange (D) and set top plate (C) onto the bonding flange. Thin-set should ooze through the triangle voids in the top plate (C). Scrape any excess thin-set from the top plate (C) using a trowel. As you tile closer to the top plate insert the threaded outlet of the top and bottom frame (A and B) into the top plate (C). Adjust the top and bottom

- frame by screwing in the threaded outlet to the top plate (C) to allow for height adjustment (fig. 2). Thin-set over the top plate (C) and install tile.
4. If using the tile-in grate with the HYDRO BAN Bonding Flange Drain, remove top frame (A) and prime surface with two coats of HYDRO BAN prior to installing tile within the frame using a polymer fortified thin-set. Make sure that the stainless steel top frame (A) is free of grease, dirt or finger prints prior to applying the HYDRO BAN.
5. The finished floor must be 1/16" (1.5 mm) higher than the top and bottom frame (A and B with tile).

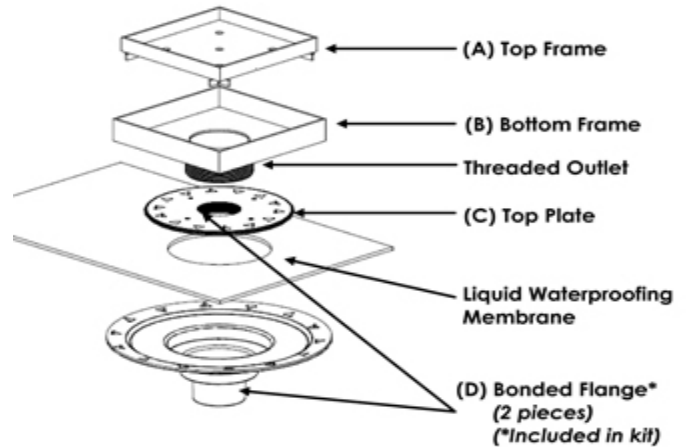


Fig. 1

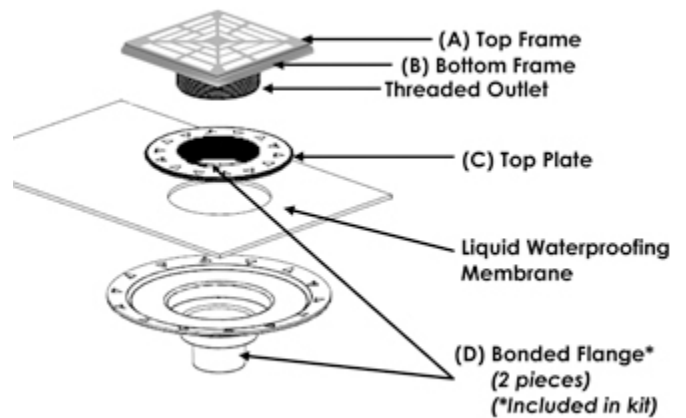


Fig. 2

#### **Cleaning**

Clean tools and tile work with water while the 3701 Fortified Mortar and HYDRO BAN are fresh. NEVER use steel wool, wire brushes, chlorine bleach, hydrochloric acid (muriatic acid), or any chloride cleaners on stainless steel. Instead clean the polished and brushed stainless steel grates with commonly available products such as Bar Keepers Friend® or Soft Scrub®. The Oil Rubbed Bronze grates should only be cleaned with soap and warm water and light brushing with a soft bristle brush.

## 6. DISPONIBILITÉ ET COÛT

### Disponibilité

Les produits LATICRETE® et LATAPOXY® sont proposés dans le monde entier.

### Appeler un des numéros suivants pour obtenir des informations relatives aux distributeurs:

Numéro sans frais: 1.800.243.4788

Téléphone: +1.203.393.0010

Pour obtenir de l'information en ligne de distributeurs, visiter LATICRETE à l'adresse suivante [laticrete.com](http://laticrete.com)

### Coût

Communiquez avec le distributeur LATICRETE le plus proche.

## 7. GARANTIE

Voir 10. SYSTÈME DE CLASSIFICATION:

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

## 8. ENTRETIEN

The non-finish or non-exposed portion of the LATICRETE Hydro Ban Shower System products require no maintenance. However, installation performance and durability may depend on properly maintaining products and finishes that cover the LATICRETE Hydro Ban Shower System products and those supplied by other manufacturers. The exposed portion of the stainless steel LATICRETE Hydro Ban Drains can be cleaned and maintained using a non-abrasive stainless steel cleaner or polish with a clean soft white cotton cloth. When cleaning the oil rubbed bronze drains use a non-abrasive cleaner and clean soft cloth. When cleaning the stainless steel or oil rubbed bronze drains contact the cleaner manufacturer if another cleaner type will be used to ensure compatibility with the drain material.

## 9. SERVICES TECHNIQUES

### Soutien technique

Pour tout renseignement, appeler la ligne d'aide du service technique de LATICRETE:

Numéro sans frais: 1.800.243.4788, ext. 1235

Téléphone: +1.203.393.0010, ext. 1235

Télécopieur: +1.203.393.1948

### Documentation technique et de sécurité

Pour obtenir la documentation technique et les consignes de sécurité, visiter notre site Web à [laticrete.com](http://laticrete.com).

## 10. SYSTÈME DE CLASSIFICATION

Des informations supplémentaires sur les produits sont disponibles sur notre site Web à [laticrete.com](http://laticrete.com). Liste des documents connexes:

- 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 100.0: 3701 Fortified Mortar
- DS 250.0: PERMACOLOR®?
- DS 281.0: PERMACOLOR Select
- DS 663.0: HYDRO BAN®
- DS 677.0: 254 Platinum
- DS 681.0: SPECTRALOCK® PRO Premium Grout†
- DS 663.5: HYDRO BAN how to instructions

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