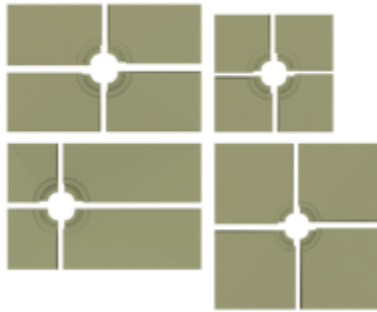




# HYDRO BAN® Modular Pre-Sloped Shower Pan

DS-65492-0925

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

HYDRO BAN® Modular Pre-Sloped Shower Pan

## 2. MANUFACTURER

LATICRETE International, Inc.

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Bethany, CT 06524-3423 USA

Telephone: +1.203.393.0010, ext. 1235

Toll Free: 1.800.243.4788, ext. 1235

Fax: +1.203.393.1684

Website: [laticrete.com](http://laticrete.com)

## 3. PRODUCT DESCRIPTION

HYDRO BAN Modular Pre-Sloped Shower Pan is a component of the expanded HYDRO BAN line of products. The 4 piece modular system is designed for easier transport, storage, dry-fitting, and installation flexibility. It does not include an integrated drain, available in center and off-center drain placements, low-profile builds, or barrier-free designs.

### Uses

- Interior use only
- Industrial, commercial and residential bathrooms where a pre-sloped shower pan is required
- Stalled gang showers
- Pet showers

### Advantages

- Pre-sloped ready to tile pan eliminates need for traditional mud bed installations

- Lightweight and durable. Easy to transport and handle during installation
  - Factory installed, code approved waterproofing meets ANSI A118.10 requirements
  - Can quickly and easily be modified to size on site
  - Component of LATICRETE® Lifetime Warranty\*
  - Single source responsibility
  - Code approved, Meets IAPMO-PS- 46
  - Works in conjunction with LATICRETE tile and stone installation materials
- \* See DS 230.99 for complete warranty information.

### Suitable Substrates (Interior Use Only)

- Concrete
- Exterior Glue Plywood (Interior Only)
- Cement Backer Board
- Oriented Strand Board (OSB)

### Packaging

#### Center Drains

1. 38" x 38" (96.52 cm x 96.52 cm)
2. 38" x 60" (96.52 cm x 152.4 cm)
3. 48" x 48" (121.9 cm x 121.9 cm)
4. 48" x 72" (121.9 cm x 182.8 cm)
5. 72" x 72" (182.9 cm x 182.9 cm)
6. 48" x 60" (121.9 cm x 152.4 cm)

#### Off Center Drain

1. 38" x 60" (96.52 cm x 152.4 cm) Off-Center

Each pan comes with: Shower Pan, peel-and-stick Seam Tape and peel-and-stick Adhesion Ring for on-site assembly and waterproof joint sealing.

### Limitations

- 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 HYDRO BAN®
- Do not expose unprotected HYDRO BAN Pre-Sloped Shower Pan to sun or weather for more than 30 days.
- Do not expose to rubber solvents or ketones
- Must be covered with ceramic tile, stone, finish. Use protection board for temporary cover prior to finishing

- When installing tile less than 2"x2" (50x50mm) it must be grouted using SPECTRALOCK® PRO Premium Grout†.
- HYDRO BAN Pre-Sloped Shower Pans and HYDRO BAN Preformed Curbs are rated to 40 PSI
- A wooden 2"x4" (51 x 102 mm) curb structure with HYDRO BAN Curb Overlay is required when installing hingeless glass doors / European-style glass enclosures with pins.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile 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 installations or L/480 for thin bed stone installations.

### Cautions

- Protect finished work from traffic until fully cured.
- For white and light-colored marbles, use a white Latex Cement Thin Set Mortar.
- For green and moisture sensitive marble, agglomerates and resin backed tile and stone use LATAPOXY® 300 Adhesive (refer to Data Sheet 633.0).
- If the waterproof coating on the HYDRO BAN Pre-Sloped Shower Pan is punctured during installation or from job site construction activity re-coat the punctured area and 2" (50 mm) around the area with two coats of HYDRO BAN, follow DS 663.0 or DS 663.5 for full instructions.
- Use care not to damage surface of HYDRO BAN Pre-Sloped Shower Pan prior to installation of tile or stone finishes. Cover with protection board to protect from foot traffic and other trades.

## 4. TECHNICAL DATA

### Applicable Standard

- Waterproofing membrane meets ANSI A118.10 & ASTM D4068
- Assembly meets IAPMO-PS- 106, IAPMO Evaluation Report ER: 0269 compliance to 2012 UPC, IPC and IRC

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

**Material required:** Polymer fortified thin-set. 1/2" x 1/2" (12mm x 12mm) notched trowel for installing the HYDRO BAN Modular Pre-Sloped Shower Pan. PVC (Polyvinyl Chloride) or ABS (Acrylonitrile Butadiene Styrene) primer and cement for the waste line connection. A HYDRO BAN Drain Grate with a 2" (50 mm) connection. HYDRO BAN Drain Grates are sold

separately in brushed, polished and oil rubbed bronze finishes. Peel & Stick waterproofing membrane included with pan.

### Prep Work (Without the Wall Board)

- Ensure that walls are square and plumb for proper fit of pan.
- Do not leave any holes in the substrate other than the one for the waste line connection as indicated below. Holes left from tub replacements and unused waste lines need to be filled and structurally sound to meet substrate deflection as indicated in Limitations above.
- The substrate will need a hole to accommodate the drain fitting and waste line when the pan is installed. The hole will need to be 4 1/2" - 6" (11 - 15 cm) in diameter.
- Sub floor under pan must be clean and level. Cut floor drainpipe 1-3/8" (35 mm) below floor level.
- Test fit pan to make certain it fits over drainpipe properly and sits flush and level with floor.
- Remove the pan.
- If the pan needs to be site adjusted to fit the shower use a circular saw or utility knife to cut the pan to the proper shower dimensions.
- Dry fit each piece of the pan to make certain it properly fits over the drainpipe and sits flush and level with the floor.
- Modify with utility knife as needed

### Wall Backer Board Installation

- Apply a 1/4 to 1/2" (6 to 12 mm) continuous thick bead of HYDRO BAN® Adhesive & Sealant into the bottom of the wallboard/top of the HYDRO BAN Pre-Sloped Shower Pan. Using 1/2" (12 mm) cement backer board, set the board into the sealant until you see sealant oozing out along the joint. Remove excess sealant using a margin trowel ensuring a continuous seal at the joint another option would be to seal with HYDRO BAN Peel & Stick Sealing Tape.
- Fasten backer board per cement backer board manufacturer's installation instructions directly to framing with cement backer board screws starting 1 foot (30 cm) above the shower pan. Follow the instructions from the backer board manufacturer when treating seams. All screw heads should be covered with thin-set.
- Next, determine location of HYDRO BAN Preformed Curb. Affix curb to floor by applying a 1/2" (12 mm) medium bed, polymer fortified mortar (e.g. 4-XLT) to floor and skim coat the underside of the curb. Before setting curb in place, apply a bead of HYDRO BAN Adhesive & Sealant to HYDRO BAN Modular Pre-Sloped Shower Pan channel and to the adjoining wall panels.
- When flood testing the HYDRO BAN Modular Pre-sloped Shower Pan use a bulb type pipe plug. Make sure the plug is inserted below the weep holes in the pan drain outlet.
- Install tile according to industry guidelines and installation instructions using 254 Platinum.

- Screw the HYDRO BAN Drain Grate down so it will be 1/16" (2 mm) below the final tile height with thin-set. If required, cut threads to adjust strainer to correct height. Always ensure a minimum of 1" (25 mm) of threads remain on strainer. Pack divot for strainer adjustment with a thin layer of pea gravel, cover with thin-set when installing tile.

*Note: Solvent choice is based on drain type. Follow the manufacturer's instructions.*

#### **Prep Work (With Wall Board Already in Place)**

- Ensure that walls are square and plumb for proper fit of pan.
- Sub floor under pan must be clean and level. Cut floor drainpipe 1-3/8" (35 mm) below floor level.
- Test fit pan to make certain it fits properly over drainpipe and sits flush and level with floor.
- Remove the pan.
- If the pan needs to be site adjusted to fit the shower use a circular saw or utility knife to cut the pan to the proper shower dimensions.
- Dry fit the pan to make certain it properly fits over the drainpipe and sits flush and level with the floor.

#### **Main Application**

Surface temperature must be 45 – 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 underlayment. Do not level with 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. See DS 663.5 for information on installation over concrete. 1. Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thick 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. F.7.3.12 - 0315 Data Sheets are subject to change without notice. For latest revision, visit [laticrete.com](http://laticrete.com). DS-663-0824

Allow any pre-treated areas to dry to the touch. Apply a liberal coat<sup>^^</sup> of HYDRO BAN with brush or roller over substrate including pre-treated areas. Apply another liberal coat<sup>^^</sup> of HYDRO BAN over the first coat of HYDRO BAN. Let topcoat dry to the touch, approximately 1–2 hours at 70°F (21°C) and 50% RH. When last coat has dried to the touch, inspect final surface for pinholes, voids, thin spots or other defects. HYDRO BAN will dry to an olive green color when it's dry to touch. Use additional HYDRO BAN to seal defects.

#### **Drain Installation & Sealing (Uncoated & Coated Drain Pans)**

First, if the waste line is already in place, dry fit the bonding flange drain making sure that it seats properly on the pan and floor and connects to the domestic waste line. If the waste line is not in place and the plumber will make the connection proceed with the installation without connecting the bonding flange drain to the waste line.

Apply a polymer fortified thin-set (253 Gold or better) around the opening where the bonding flange will sit with a 1/4" x 3/16" (6mm x 5mm) V-notched trowel. Apply PVC or ABS solvent and adhesive to the waste line and the bonding flange female portion of the connection on the bonding flange. • Install the bonding flange and smooth out any thin-set that has oozed out during the installation. Note: When connecting an ABS or PVC bonding flange drain to the domestic waste line the solvent choice is based on drain type. Follow manufacturer's instructions. (If a plumber is making the connection this step can be performed after the pan). Next Apply polymer fortified thin-set mortar (253 Gold or better) with a 1/4" x 3/16" (6mm x 5mm) V-notched trowel to the bonding flange and recess area in the tray with a 1/4" x 3/16" (6 mm x 5 mm) V-notched trowel. Press the included HYDRO BAN Sheet membrane collar into the mortar and work the membrane onto the bonding flange and shower base to ensure full coverage and while removing any air pockets.

#### **Flood Testing**

Allow membrane to cure fully before flood testing, typically 3 to 6 hours after final cure at 70°F (21°C) and 50% RH. Cold and/or wet conditions will require a longer curing time. For temperatures 50 – 69°F (10 – 21°C) allow 24 hours after final cure prior to flood testing.

#### **Drain Grate and Tile Installation (Uncoated & Coated Drain Pans)**

Install tile according to industry guidelines and installation instructions using a LATICRETE polymer fortified thin-set (253 Gold or better). Screw the HYDRO BAN Drain Grate down so it will be 1/16" (2 mm) below the final tile height with thin-set, cover the area over the HYDRO BAN Bonding Flange where the adjusting ring will sit with a polymer fortified thin-set (253 Gold or better) and install the adjusting ring prior to finishing the tile around the drain grate.

## **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](http://laticrete.com)

#### **Cost**

Contact a LATICRETE Distributor in your area.

## 7. WARRANTY

See 10. FILING SYSTEM:

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

## 8. MAINTENANCE

LATICRETE and LATAPOXY® grouts require routine cleaning with a neutral PH soap and water. All other LATICRETE and LATAPOXY 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](http://laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [laticrete.com](http://laticrete.com). The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty
- DS 230.10: LATICRETE 10 Year System Warranty
- DS 025.0: LATICRETE 25 Year System Warranty
- DS 230.99: LATICRETE Lifetime System Warranty
- DS 064.0: HYDRO BAN® Preformed Curb
- DS 080.0: 4-XLT
- DS 108.0: HYDRO BAN Adhesive and Sealant
- DS 633.0: LATAPOXY® 300 Adhesive
- DS 663.0: HYDRO BAN
- DS 677.0: 254 Platinum
- DS 681.0: SPECTRALOCK® PRO Premium Grout†

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