



HYDRO BAN[®] Pre-Sloped Shower Pan

DS-31-0423

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

HYDRO BAN[®] Pre-Sloped Shower Pan

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

HYDRO BAN Pre-Sloped Shower Pan is a component of the expanded HYDRO BAN line of products that allow for high quality rapid shower installations. Constructed of lightweight high-density expanded polystyrene, the HYDRO BAN Pre-Sloped Shower Pan comes with a factory installed drain/waste line connection, is 100% waterproof, and ready-to-tile.

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
- Factory installed drain assembly
- 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)
- Oriented Strand Board (OSB)

Packaging

Center Drains

48" x 48" (122 cm x 122 cm) ABS, PVC or BRS

36" x 60" (91 cm x 152 cm) ABS, PVC or BRS

36" x 48" (91 cm x 122 cm) ABS, PVC or BRS

48" x 60" (122 cm x 152 cm) ABS, PVC or BRS

Off Center Drain

38" x 66" (96 cm x 168 cm) ABS, PVC or BRS.

The HYDRO BAN Pre-Sloped Shower Pans are also available in custom sizes and shapes.

Each pre-sloped shower pan is packaged with one HYDRO BAN Pre-Sloped Shower Pan, one HYDRO BAN Preformed Curb and one tube of HYDRO BAN Adhesive & Sealant. All pans are available with either a PVC or ABS drain connection. A Custom HYDRO BAN Pre-Sloped Shower Pan is also available with a brass waste line connection when needing a metal drain due to municipal building or plumbing codes. The HYDRO BAN Drain Grates are sold separately in brushed, polished or oil rubbed bronze finishes.

When ordering a HYDRO BAN Pre-Sloped Shower Pan check with local code official to determine whether a PVC, ABS or BRS (metal drain connection is required).

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

- During cold weather, protect finished work from traffic 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 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:** Circular saw for field modification. Polymer fortified thin-set. 1/2" x 1/2" (12mm x 12mm) notched trowel for installing the HYDRO BAN Pre-Sloped Shower Pan. PVC (Polyvinyl Chloride) or ABS (Acrylonitrile Butadiene Styrene) primer and cement for the waste line connection. A screw driver for tightening compressions fit drains if installing a HYDRO BAN Pre-Sloped Shower Pan BRS with brass drain connection. HYDRO BAN Adhesive & Sealant and caulk gun to apply sealant in the HYDRO BAN Pre-Sloped Shower Pan rabbet joint. 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.

Preparatory 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 the pan to make certain it properly fits over the drainpipe and sits flush and level with the floor.
- Using a circular saw or utility knife recut the rabbet joints into the edges of the pan where required. For the 48" x 48" (122 cm x 122 cm), 36" x 60" (91 cm x 152 cm), 36" x 48" (91 cm x 122 cm) and 48" x 60" (122 cm x 152 cm) HYDRO BAN Pre-sloped Shower Pan the rabbet joint should be 1/2" (12 mm) deep and 1/2" (12 mm) in from the edge of the

pan. For the 38" x 66" (96 cm x 168 cm) HYDRO BAN Pre-Sloped Shower Pan the rabbet joint should be 7/8" (22 mm) deep and 1/2" (12 mm) in from the edge of the pan.

Installation of HYDRO BAN® Pre-Sloped Shower Pan with PVC or ABS Waste Line Connector

- Apply a medium bed, polymer fortified mortar (e.g. 4-XLT) to the floor area using a 1/2" x 1/2" (12 mm x 12 mm) notched trowel.
- Skim coat the underside of the HYDRO BAN Pre-Sloped Shower Pan with a medium bed, polymer fortified mortar.
- When installing a HYDRO BAN Pre-Sloped Shower Pan with a PVC or ABS drain connector apply a liberal coat of PVC or ABS primer and cement to the drainpipe and inside of the drain where the connection will be made. (If a plumber is making the connection this step can be performed after the pan is set into the mortar).
- Set pan into the wet medium bed mortar and apply pressure to achieve complete coverage, insuring that the drain pipe and waste line are properly connected. Check pan for level set on floor and apply weight (thin-set bags) equally across pan for 30 minutes.

Installation of HYDRO BAN Pre-Sloped Shower Pan with a brass (BRS) compression fit waste line connection. (Detail B)

- The first step is to dry fit the pan in place to make sure the pan and brass compression drain connection fit properly.
- Then apply a medium bed, polymer fortified mortar (e.g. 4-XLT) to the floor area using a 1/2" x 1/2" (12 mm x 12 mm) notched trowel.
- Skim coat the underside of the HYDRO BAN Pre-Sloped Shower Pan with a medium bed, polymer fortified mortar.
- Set the pan in place with the brass compression fitting over the waste line. (The waste line should be even with the floor height). Set pan into the wet medium bed mortar and apply pressure to achieve complete coverage. Check pan for level set on floor and apply weight (thin-set bags) equally across pan for 30 minutes. Note: The Brass Compression Fit Drain is designed to snugly fit a schedule 40 domestic waste pipe at 2.375" O.D.. If a copper pipe (2.125" O.D.) is being used as the domestic waste line this will need to be indicated to insure the correct compression gasket is shipped with the order.
- Use a screw driver and the key provided to tighten the internal compression ring around the waste line for a watertight fit. Flood test to make sure the connection is secure and free of any leaks.
- Apply a thin layer of HYDRO BAN Adhesive & Sealant to the bottom of the threaded adapter. Place the threaded adapter on top of the brass drain assembly. Allow the HYDRO BAN Adhesive & Sealant 40

minutes to dry. Do not block weep cuts in adaptor with HYDRO BAN Adhesive & Sealant

- Screw in the HYDRO BAN Drain Grate to the proper tile height. See Detail B below.

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 rabbet joint 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.
- 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 Pre-Sloped Shower Pan channel and to the adjoining wall panels.
- After installation is complete, apply two coats of HYDRO BAN to the walls following the HYDRO BAN DS 663.0 and 663.5 installation guide. The HYDRO BAN should overlap from the wall to the HYDRO BAN Pre-Sloped Shower Pan by 3" (75 mm).
- When flood testing the HYDRO BAN 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.

Preparatory 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.

Installation

- Apply a medium bed, polymer fortified mortar (e.g. 4-XLT) to the floor area using a 1/2" x 1/2" (12 mm x 12 mm) notched trowel.
- Skim coat the underside of the Pan with a medium bed, polymer fortified mortar.
- If a HYDRO BAN Pre-Sloped Shower Pan with a PVC or ABS drain connection is being installed apply a liberal coat of PVC or ABS cleaner and solvent cement to the drainpipe and inside of the drain where the connection will be made. If a HYDRO BAN Pre-sloped Shower Pan is being installed with a brass compression fit drain follow the installation instructions above with Detail B.
- Set pan into the wet medium bed mortar and apply pressure to achieve complete coverage, ensuring that the drain pipe and waste line are properly connected.
- 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 Pre-Sloped Shower Pan channel and to the adjoining wall panels.
- If the original rabbet joints remain on the perimeter fill them with a medium bed, polymer fortified mortar.
- After installation is complete, apply two coats of HYDRO BAN to the walls following the HYDRO BAN DS 663.0 and 663.5 installation guide. The HYDRO BAN should overlap from the wall to the HYDRO BAN Pre-Sloped Shower Pan by 3" (76 mm).
- Screw 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.
- Install tile according to industry guidelines and installation instructions using 254 Platinum.
Note: Solvent choice based on drain type. Follow manufacturer's instructions. (If a plumber is making the connection this step can be performed after the pan).

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

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.

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 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

LATICRETE International, Inc.

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- DS 681.0: SPECTRALOCK® PRO Premium Grout†

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