



HYDRO BAN® Linear Pre-Sloped Shower Pan

DS-085.0-0314

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

HYDRO BAN® Linear Pre-Sloped Shower Pan

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

HYDRO BAN Linear 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 Linear Pre-Sloped Shower Pan allows for the combination of HYDRO BAN Linear Drains and Pre-Sloped Shower Pans, the HYDRO BAN Linear Pre-Sloped Shower Pan is 100% waterproof, and ready-to-tile.

Materials: Circular saw for field modification, polymer fortified thin-set, 1/2" x 1/2" (12mm x 12mm) notched trowel for installing the HYDRO BAN Linear Pre-Sloped Shower Pan. HYDRO BAN Adhesive & Sealant and caulk gun to apply sealant in the HYDRO BAN Linear Pre-Sloped Shower Pan installation process. HYDRO BAN Linear Drain and a 2" (50 mm) Rubber Coupling for waste line connection, both are purchased separately.

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 Tile & Stone Warranty*
- Single source responsibility
- Works in conjunction with LATICRETE tile and stone installation materials

* See DS 230.99 for complete warranty information

Uses

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

Suitable Substrates

- Concrete
- Exterior glue plywood
- Cement backer board **
- OSB or Advantech

** Consult cement backer board manufacturer for specific installation recommendations.

Packaging

HYDRO BAN Pre-Sloped Shower Pans, Linear Drains sold separately

- 34" x 66" (86 cm x 168 cm)
- 38" x 66" (97 cm x 168 cm)
- 44" x 66" (112 cm x 168 cm)
- 50" x 66" (127 cm x 168 cm)
- Custom sizes available

Each pre-sloped shower pan is packaged with one HYDRO BAN Linear Pre-Sloped Shower Pan, one HYDRO BAN Preformed Curb, and one tube of HYDRO BAN Adhesive & Sealant. HYDRO BAN Linear Drains are sold separately. When installing a:

- 34" x 66" (86 cm x 168 cm) pan use a 32" (81 cm) linear drain
- a 38" x 66" (97 cm x 168 cm) pan use a 36" (91 cm) linear drain
- a 44" x 66" (112 cm x 168 cm) pan use a 42" (107 cm) linear drain
- a 50" x 66" (127 cm x 168 cm) pan use a 48" (122 cm) linear drain

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 Linear 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" x 2" (50 x 50mm) it must be grouted using SPECTRALOCK® PRO Premium Grout†.
- HYDRO BAN Preformed Curbs are rated to 40 psi.

- A wooden curb structure composed of three 2" x 4" (50 x 100 mm) units 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, 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 and L/600 for all exterior veneer applications where L=span length.

Cautions

Consult MSDS for more safety information.

- 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 Linear 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 Linear 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

Waterproofing membrane meets ANSI A 118.10

Assembly meets IAPMO-PS- 46

5. INSTALLATION

Preparatory Work (Without the Wall Board)

- Ensure that walls are square and plumb for proper fit of pan.
- Subfloor under pan must be clean and level. Cut a 3" (76 mm) hole in the sub floor where the drain outlet will pass through the floor and subfloor.
- If the waste line is already in place cut floor drainpipe 1-3/4" (44 mm) below floor level.
- Dry fit the pan to make certain it properly fits the installation area and sits flush and level with the floor.
- Dry fit the linear drain to make sure it can be properly connected with a rubber connector (purchased separately) to the waste line.
- Remove the linear drain and 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.
- Using a circular saw or utility knife recut the rabbet joints into the edges of the pan where required. The rabbet joint should be 3/4" (19 mm) from the bottom of the pan and 1/2" (12 mm) in from the edge of the pan.

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 HYDRO BAN Linear Pre-Sloped Shower Pan with a medium bed, polymer fortified mortar. Set the HYDRO BAN Linear Pre-Sloped Shower Pan in place.
- Skim coat the underside of the HYDRO BAN Linear Drain with a medium bed, polymer fortified mortar. Run a bead of HYDRO BAN Adhesive & Sealant under the flange of the HYDRO BAN Linear Drain.
- Set the HYDRO BAN Linear Drain in place and connect the linear drain to the waste line with a rubber coupling and two hose clamps (If a plumber is making the connection this step can be performed after the pan and drain are set into the mortar).
- After the pan is set into the wet medium bed mortar apply pressure to achieve complete coverage, insuring that the drain pipe and waste line are properly connected. Check that the pan and linear drain are level and apply weight (thin-set bags) equally across pan for 30 minutes.
- Apply two coats of HYDRO BAN over the HYDRO BAN Linear Drain flange and onto the HYDRO BAN Linear Pre-Sloped Shower Pan, follow DS 663.0 or DS 663.5 for full instructions.
- **Wall Backer Board Installation:** Apply a 1/4" to 1/2" (6 to 12 mm) continuous bead of HYDRO BAN Adhesive & Sealant into the rabbet joint of the HYDRO BAN Linear 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 (305 mm) 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 the location of the HYDRO BAN Preformed Curb. Affix the curb to floor by applying a medium bed, polymer fortified mortar (e.g. 4-XLT) to floor using a 1/2" x 1/2" (12 mm x 12 mm) notched trowel and skim coating the underside of the curb. Before setting the curb into place, apply a bead of HYDRO BAN Adhesive & Sealant to HYDRO BAN Linear Pre-Sloped Shower Pan channel and to the adjoining wall panels. Set the HYDRO BAN Preformed Curb into place. Remove excess sealant using a margin trowel ensuring a continuous seal at the joint.
- After installation is complete, apply two coats of HYDRO BAN to the walls and at the HYDRO BAN Linear Pre-Sloped Shower Pan and Preformed Curb intersection following the HYDRO BAN DS 663.0 and 663.5 installation guide. The HYDRO BAN should overlap from the wall to the HYDRO BAN Linear Pre-Sloped Shower Pan by 3" (76 mm).
- Install tile according to industry guidelines and installation instructions using 254 Platinum.
- When installing the HYDRO BAN Linear Drain grate take measures to protect grate prior to tiling. Keeping the grate in the channel, thin-set and tile on the waterproof membrane around the grate. Ensure tile allows for easy removal of the grate. The tile height should finish 1/16" (1.5 mm) higher than the grate height or tile in the tile-in drain grate.
- If the grate has adjustable feet then adjust grate height with adjustable feet as needed.

- When installing the HYDRO BAN® Linear Tile-In Drain Grate will need to be primed with two coats of HYDRO BAN prior to thin-setting the tile into the top grate. The stainless steel from the linear drains needs to be clean and free of any grease, dirt or fingerprints prior to coating with HYDRO BAN.
- When the second coat of HYDRO BAN is dry the installation can be tiled using a polymer fortified thin-set (e.g. 254 Platinum) and grouted with PERMACOLOR® Grout^Δ or SPECTRALOCK® PRO Premium Grout[†]. (See DS-034.0 for complete information on the HYDRO BAN Linear Drain installation.)

Preparatory Work (With Wall Board Already in Place, Concrete or Cement Walls)

- 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.
- Dry fit the pan to make certain it properly fits the installation area and sits flush and level with the floor.
- Dry fit the linear drain to make sure it can be properly connected with a rubber connector (purchased separately) to the waste line.
- Remove the linear drain and 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.

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 HYDRO BAN Linear Pre-Sloped Shower Pan with a medium bed, polymer fortified mortar. Set the Linear Pre-Sloped Shower Pan in place.
- Skim coat the underside of the HYDRO BAN Linear Drain with a medium bed, polymer fortified mortar. Run a bead of HYDRO BAN Adhesive & Sealant under the flange of the HYDRO BAN Linear Drain.
- Set the HYDRO BAN Linear Drain in place and connect the linear drain to the waste line with a rubber coupling and two hose clamps (If a plumber is making the connection this step can be performed after the pan and drain are set into the mortar).
- After the pan is set into the wet medium bed mortar apply pressure to achieve complete coverage, insuring that the drain pipe and waste line are properly connected. Check that the pan and linear drain are level and apply weight (thin-set bags) equally across pan for 30 minutes.
- 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 Linear Pre-Sloped Shower Pan channel and to the adjoining wall panels.
- If the original rabbit 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 and at the HYDRO BAN Linear Pre-Sloped Shower Pan and Preformed Curb intersection 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).

- Install tile according to industry guidelines and LATICRETE® installation instructions using 254 Platinum.
- When installing the HYDRO BAN Linear Drain grate take measures to protect grate prior to tiling. Keeping the grate in the channel, thin-set and tile on the waterproof membrane around the grate. Ensure tile allows for easy removal of the grate. The tile height should finish 1/16" (1.5 mm) higher than the grate height or tile in the tile-in drain grate.
- If the grate has adjustable feet then adjust grate height with adjustable feet as needed.
- When installing the HYDRO BAN Linear Tile-In Drain Grate will need to be primed with two coats of HYDRO BAN prior to thin-setting the tile into the top grate. The stainless steel from the linear drains needs to be clean and free of any grease, dirt or fingerprints prior to coating with HYDRO BAN.
- When the second coat of HYDRO BAN is dry the installation can be tiled using a polymer fortified thin-set and grouted with PERMACOLOR Grout^Δ or SPECTRALOCK PRO Premium Grout[†] (see DS 034.0 for complete information on the HYDRO BAN Linear Drain installation).

See The Details Below For The Following Applications:

- HYDRO BAN Linear Pre-Sloped Shower Pan over the Exterior Glue Plywood (see ES - WP305L Linear EGP).
- HYDRO BAN Linear Pre-Sloped Shower Pan over concrete (see ES- WP305L - Linear Concrete).
- HYDRO BAN Linear Pre-Sloped Shower Pan and HYDRO BAN Preformed Curb (see ES-WP306).

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 www.laticrete.com.

Cost Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.13: LATICRETE Product Warranty (United States and Canada)

A component of

DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)

DS 230.99: LATICRETE Lifetime Tile & Stone System Warranty (United States and Canada)

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. 235
 Telephone: +1.203.393.0010, ext. 235
 Fax: +1.203.393.1948

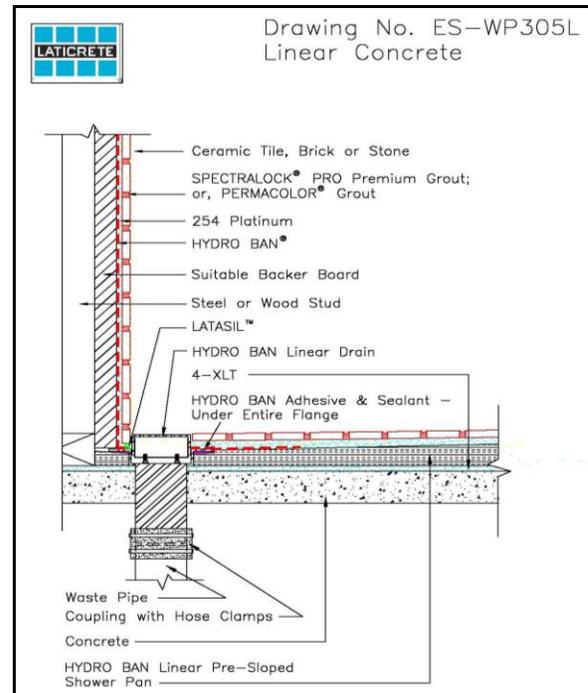
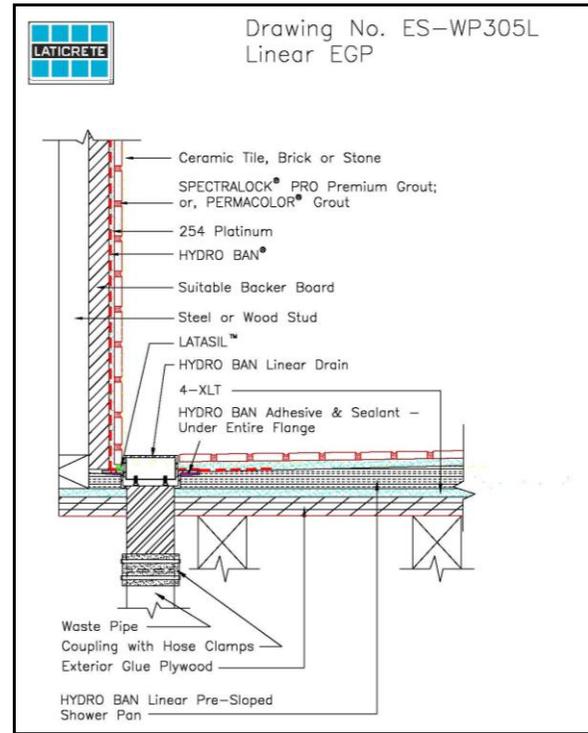
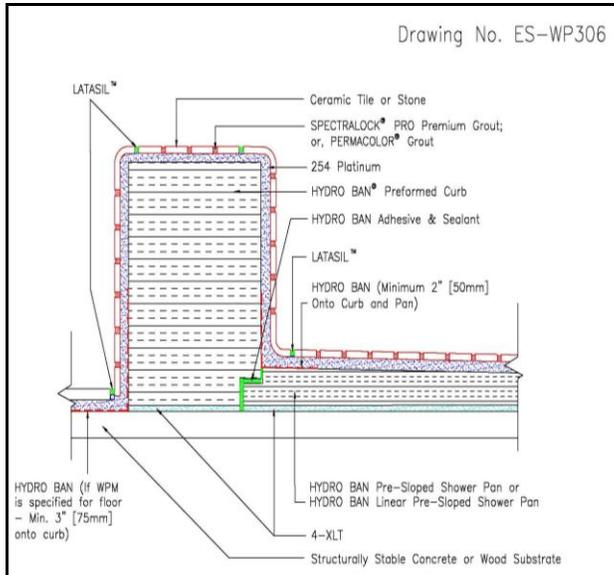
Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

- DS 230.13: LATICRETE® Product Warranty (United States and Canada)
- DS 025.0APD: LATICRETE 25 Year Tile & Stone System Warranty (United States and Canada)
- DS 230.99: LATICRETE Lifetime Tile & Stone System Warranty (United States & Canada)
- DS 080.0: 4-XLT
- DS 108.0: HYDRO BAN® Adhesive and Sealant
- DS 250.0: PERMACOLOR® Grout[†]
- DS 255.0: 255 MULTIMAX™
- DS 633.0: LATAPOXY® 300 Adhesive
- DS 663.0: HYDRO BAN
- DS 677.0: 254 Platinum
- DS 681.0: SPECTRALOCK® PRO Premium Grout[†]



[†]United States Invention Patent No.: 6881768 (and other Patents)

[^]United States Invention Patent No.: 6784229 (and other Patents)