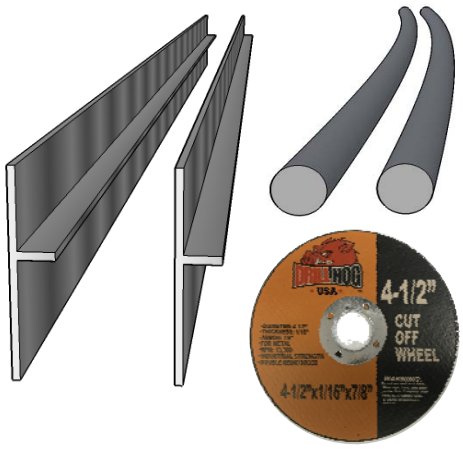
HYDRO-BLOK™
The BETTER Shower System

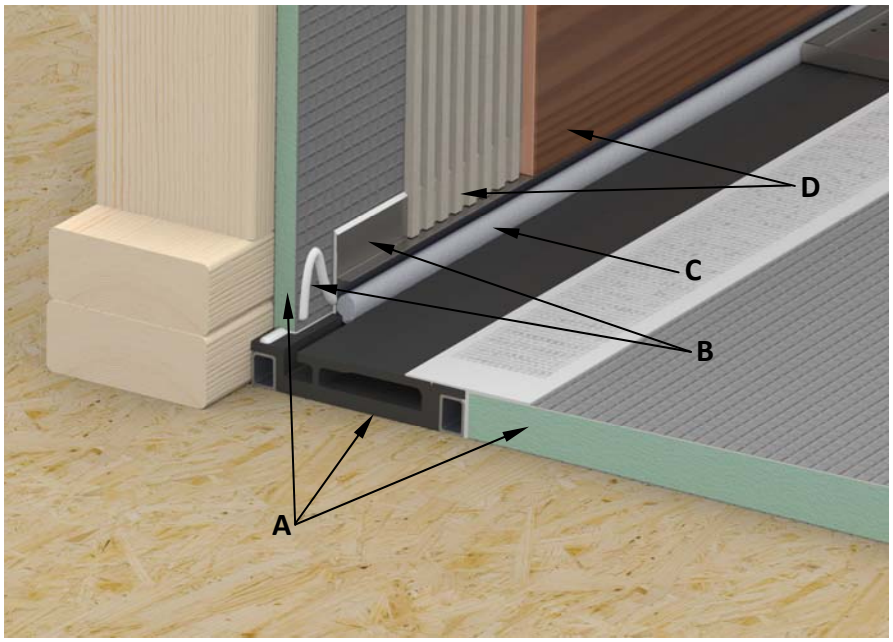
HYDRO-BLOK SINGLE SLOPE SHOWER - LINE DRAIN TILE TRIM KITS

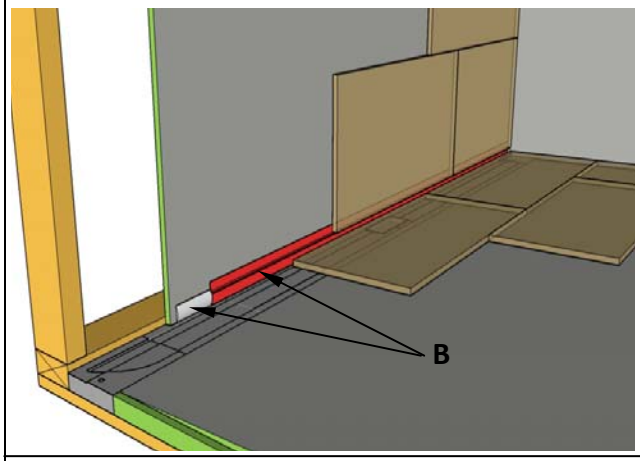
In-Shadow Trim allows line drain slot to be concealed under the vertical wall tile

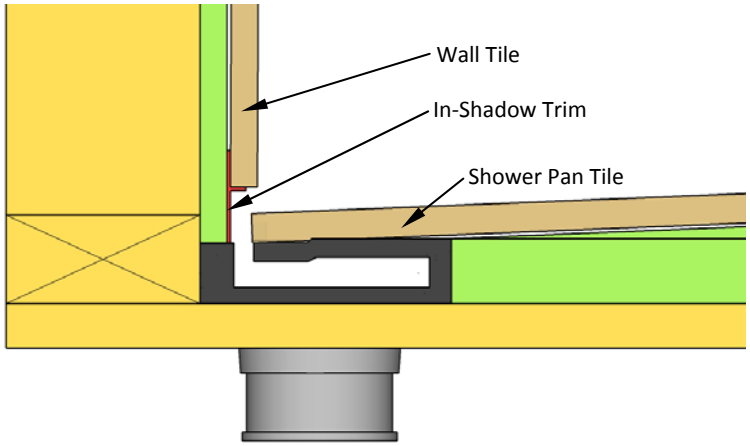


In-Shadow Trim Kit Includes:

- 2 pcs In-Shadow trim 35 3/4" length
- Metal cut-off wheel
- Temporary foam backer rod







A. Install Hydro-Blok line drain, shower pan and wallboard per typical specs. Use included cut-off wheel to cut trim to length as needed.
B. Run a heavy continuous bead of Hydro-Blok sealant along the wallboard face that will receive the In-Shadow trim. Firmly press trim piece into sealant bead and adjust into final position before sealant sets up. Trim pieces should run the entire length of line drain.
C. Insert supplied round foam backer rod into drain slot. This is temporary and will keep debris out of drain slot during tiling.
D. Apply thinset over face of trim and onto wallboard for setting tile. Bottom edge of tile should rest on horizontal lip of trim piece. Do not use sealant on this bottom edge of tile. This will allow for any water to weep under tile and down the drain if necessary.

***** PLEASE NOTE: In-Shadow trim can be used with 1/4" - 3/8" shower pan tile. When cutting trim to desired length it is best practice to place all cut edges at the outer ends of line drain. This will allow factory edges to be butted together when using multiple trim pieces.***

Trim pieces are made from high quality 304 Stainless Steel .25mm thick

Line Drain Trim Kit
Part Number:
HBINSHADOW

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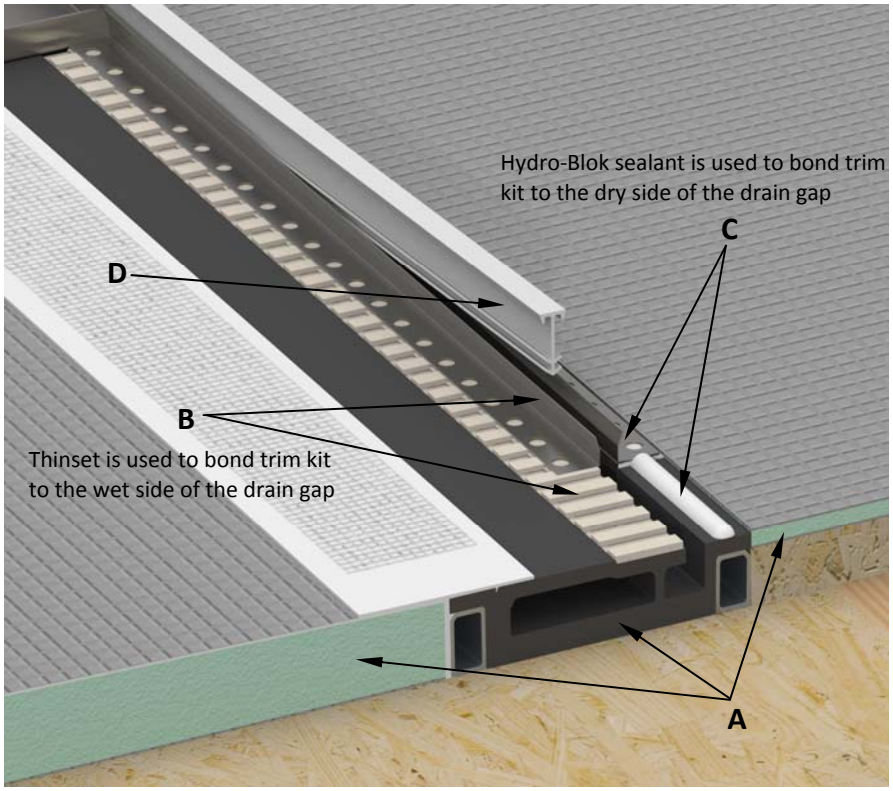
HYDRO-BLOK SINGLE SLOPE SHOWER - LINE DRAIN TILE TRIM KITS

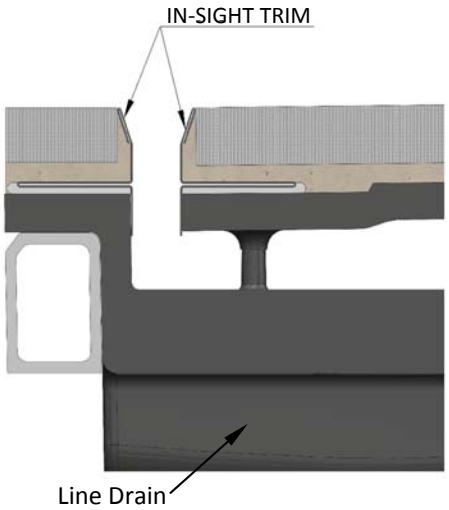
In-Sight Trim gives the option of having a metal finished edge along the length of the line drain gap

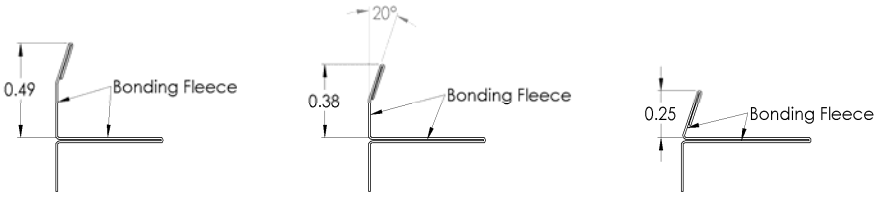


In-Sight Trim Kit Includes:

- 2 pcs In-Sight trim 35 3/4" length
- Metal cut-off wheel
- Temporary gap spacer/alignment sticks







HBINSI12 **HBINSI38** **HBINSI14**

Trim pieces are made from high quality 304 Stainless Steel .25mm thick

A. Install Hydro-Blok line drain, shower pan and wallboard per typical specs. Use included cut-off wheel to cut trim to length as needed.
B. On shower/wet side of drain gap use thinset along entire length of drain to bond trim piece to drain body. Firmly press trim into thinset and position in place. Remove any excess thinset from drain slot if necessary.
C. On dry side of drain gap run a continuous bead of Hydro-Blok sealant along the entire length of drain to bond trim piece to drain body. Firmly press trim piece into sealant bead and adjust into position. Trim pieces should run the entire length of line drain.
D. **Before thinset & sealant sets up**, insert supplied plastic spacer sticks into gap between the trim pieces. This will properly space the trim pieces and hold them in position while thinset and sealant cures. Leave this temporary spacer in place while tiling to keep debris out of drain slot. **Remove plastic gap spacer sticks before putting shower into use.**

***** PLEASE NOTE: When cutting trim to desired length it is best practice to place all cut edges at the outer ends of line drain. This will allow factory edges to be butted together when using multiple trim pieces.***

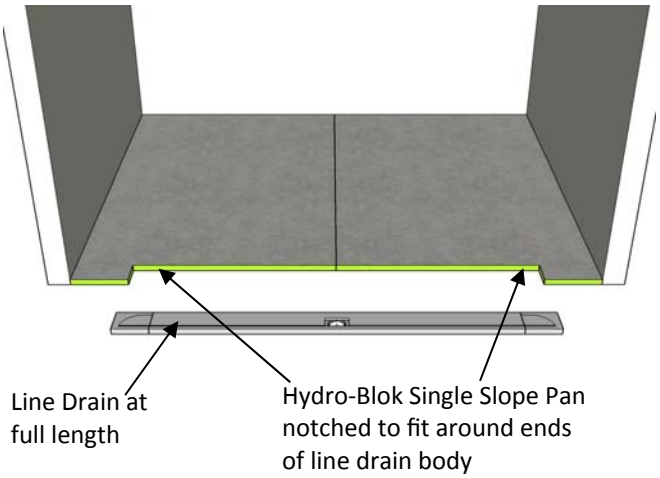
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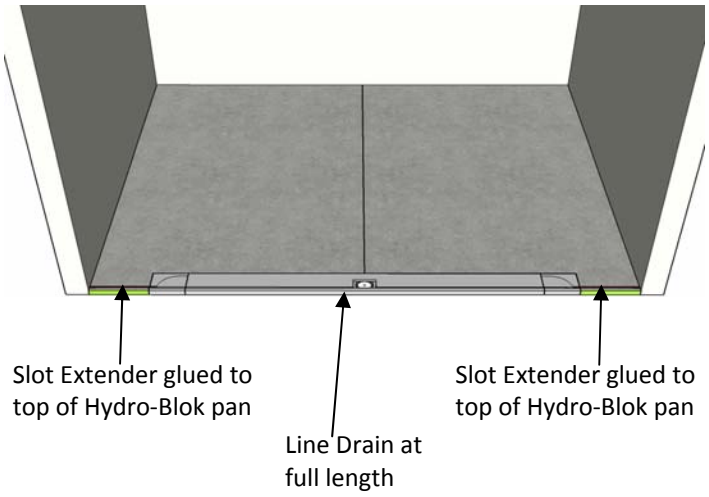
Line Drain Trim Kit
Part Number:
HBINSI12 (1/2")
HBINSI38 (3/8")
HBINSI14 (1/4")

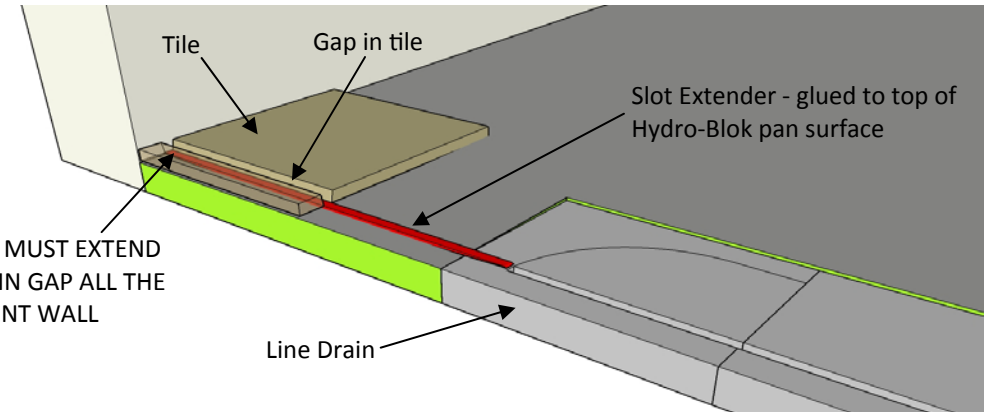
HYDRO-BLOK SINGLE SLOPE SHOWER - LINE DRAIN SLOT EXTENDER

The Ebbe Line Drain Slot Extender is used to extend the surface tile drainage gap up to 12” on one or both ends of the line drain. See note # 3 below for important placement info.









Notes

1. Installation to be completed in accordance with manufacturer specifications.
2. Maximum length of un-cut line drain is 73 3/8”
3. The gap at the slot extender will only be as deep as the tile thickness. To avoid potential spillage over the gap extension it is recommended to use the Slot Extender only in areas that will get minimal water exposure during normal use. If this is not possible, a line drain coupler with 2 line drains is advised for effective drainage.

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Line Drain
Slot Extender
Part Number:
HBLDSLOTEXT

HYDRO-BLOK™
The BETTER Shower System

HYDRO-BLOK Shower System with Low Profile Pan
Installation Guide

Before Installing your HYDRO-BLOK Shower System

IMPORTANT: When installing the Low Profile Pan for curbless applications, it is necessary to waterproof the rest of the bathroom floor for protection. Please view our online installation videos by visiting www.hydroblok.com/youtube. Read all related installation guides before installing your HYDRO-BLOK Shower System. Contact your local HYDRO-BLOK representative or call us at 425-286-6840 (western USA) or 844-588-9559 (eastern USA or Canada) if you have any questions regarding the installation process.

This installation guide is to be used exclusively for the installation of HYDRO-BLOK Low Profile Shower Pan systems.

Surfaces must be structurally sound, stable, rigid, and clean prior to installation. Following TCNA standards for tile installation, the deflection of the substrate must not exceed L/360, = to ¼" in 10'.

HYDRO-BLOK Wallboard is to be installed on maximum 16" stud spacing. Proper backing is required in the corners per typical details.

For proper backing support at the connection of the Drain and Shower Pan to Wallboard, a minimum dimensional 2x4 bottom plate (1-1/2" high) is required. Add additional backing if necessary.

Installation Tools and Materials Required

- Drill/driver with #2 Philips screwdriver bit
- Circular saw with standard wood blade for cutting the pan
- Tape measure, razor knife, and carpenter pencil or marker
- Level, straight edge, and square
- Modified Thinset with 3/8" minimum notch trowel, mixer, bucket and sponge
- HYDRO-BLOK Joint Sealant
- Sausage gun or standard caulking gun for HYDRO-BLOK Joint Sealant
- Cleaning supplies. We recommend citrus wipes and paper towels/rags

Positioning the Drain Pipe

Using appropriate tools, remove a 5" to 6" wide section of the subfloor centered around the drain pipe location (round or square). Have a qualified plumber install a 2" ABS drain pipe so that the top of the pipe is flush with the top of the subfloor where the pan will be installed. The drain pipe must have a minimum 1" of clearance on all sides and be securely fastened below the subfloor so that it will not move downwards under load. After cutting, clean off any burrs on the 2" pipe.

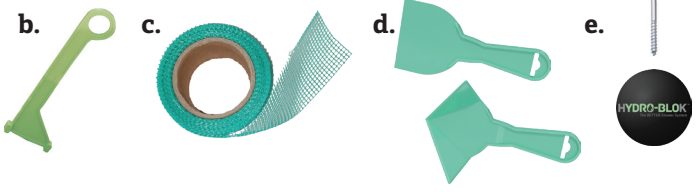


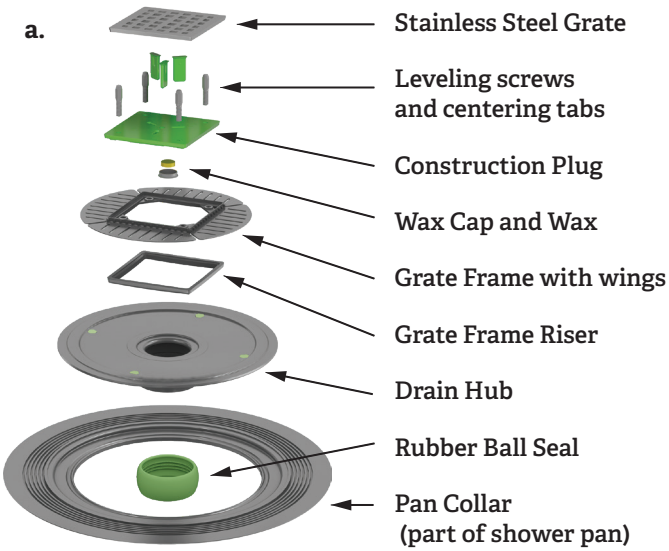
Fig. 1

Installing the Low Profile Shower Pan

Included in your HYDRO-BLOK Shower Pan box are:

a) Drain Assembly with Stainless Steel Grate
b) Pipe Puller to set the Drain Assembly into the pan and connect the pipe
c) 2" wide mesh tape. Install the mesh tape at any seam connections on the Pan. It is not necessary to use mesh tape on the vertical wallboard seams
d) Straight and corner putty knives for tooling the HYDRO-BLOK Joint Sealant
e) Foam Water Test Ball (for plugging the 2" drain pipe) and screw hook to aid in removal
f) Drain Hub Screws (not shown)





Installing the Low Profile Shower Pan - continued

1. Prepare and clean the location where the HYDRO-BLOK Shower Pan will be installed. Measure from center of drain pipe to the perimeter of the pan area and transfer those dimension to the HYDRO-BLOK Shower Pan. If a HYDRO-BLOK Shower Curb is to be installed with the Shower Pan, ensure the curb is accounted for in any measurements.
2. Deduct 1/8" on all sides (Fig. 2) to allow for shim space and position the Shower Pan into place. The Foam Packaging Ring protecting the Drain Hub may be inserted into the Pan Collar to assist indexing the center of the opening for pulling your measurements.
3. Cut the Shower Pan and any Shower Pan Extensions to size using a circular saw. **See Appendix A for details on how to remanufacture the factory notches.**
4. Dry fit the Shower Pan on the subfloor. Ensure all sides of Pan fit comfortably to within 1/8" of the perimeter within the space. **DO NOT** try to force the shower pan into its location. Doing so may damage the pan and make installation of the wallboard difficult.
5. Remove the Rubber Ball Seal from the Drain Hub and dry fit the Drain Hub into the Shower Pan Collar to ensure a proper alignment with the drain pipe (Fig. 3). The Drain Hub can be adjusted laterally up to ¼" in any direction to assist in making a proper connection.
6. Apply modified thinset to the subfloor with a minimum 3/8" x 3/8" notch trowel.
7. Set the Shower Pan into place and carefully step on pan in all areas to embed the Shower Pan into the thinset.
8. Apply two 3/8" beads of Joint Sealant on Pan Collar as shown in Fig 4
9. Insert Rubber Ball Seal in to Drain Hub ensuring the Down arrow is pointed to the bottom (drain pipe side) of the Drain Hub.
10. Insert the supplied Pipe Puller at an angle (fig. 4) until the handle reaches the pipe, then tighten by straightening the handle to a vertical position.
11. Press the Drain Hub over the drain pipe while pulling up on pipe puller (Fig. 5) ensuring the Drain Hub and drain pipe are fully seated to within ¼" of each other. NOTE: The rubber Ball Seal can accommodate up to a 5-degree angle in the drain pipe in any direction
12. Use 4 HYDRO-BLOK Wallboard Screws (optional #8 or #9 backer-board/wood screws with a minimum length of 1-1/4") to attach the Drain Hub into place on the subfloor within the Shower Pan Collar. Do not over tighten screws.

    NOTE: For concrete floors where the pipe is fixed and does not have any movement, it is not necessary to screw down the Drain Hub. The Ball Seal will hold the Drain Hub into place once fully set onto the drain pipe. Use an ample amount of Joint Sealant to fill the screw holes in the Drain Hub and tool flat.
13. Remove the Drain Puller.
14. Apply HYDRO-BLOK Joint Sealant to top seam between the Shower Pan Collar / Drain Hub connection and the screw holes and trowel flat with a putty knife as shown in Fig. 6.

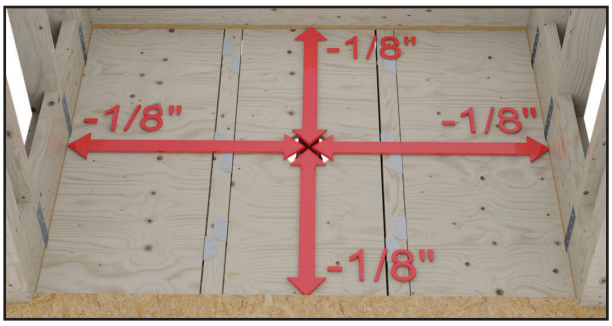
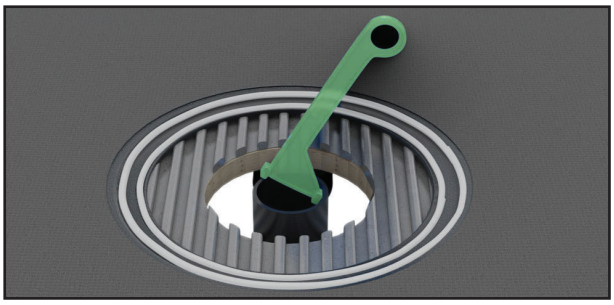
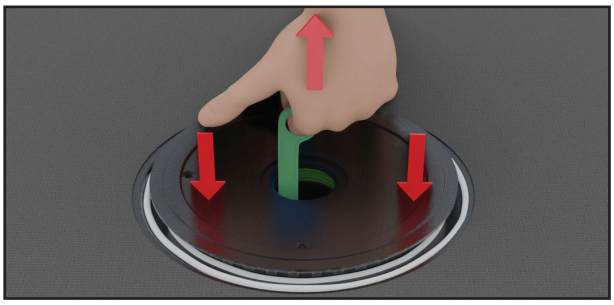
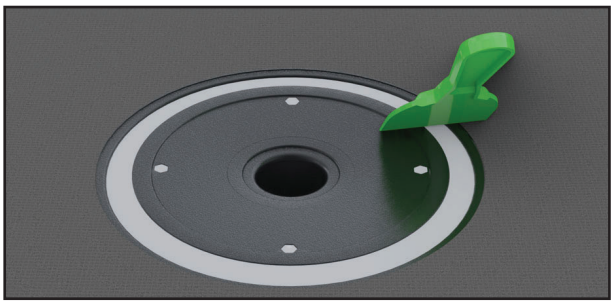


Fig. 2


Fig. 3


Fig. 4


Fig. 5


Fig. 6

Installing the HYDRO-BLOK Wallboard

1. Use a utility knife with a fresh blade to cut the first row of ½" Wallboard around the entire perimeter of the shower area. Measure and cut the back wall at full width and then size and cut the side parts. Dry fit all Wallboard once cut to ensure proper fit before installation.

   NOTE: This step allows for a more efficient installation once you start using the HYDRO-BLOK Joint Sealant and adhering the parts together. On a typical climate day, you have approximately 20 minutes of open working time with the Joint Sealant. Having the parts pre-cut will allow you to complete the Shower Pan joint and first row of Wallboard installation within this time frame.

   NOTE: Wallboard must always be installed before installing a HYDRO-BLOK Shower Curb.

2. Apply a 1/2" continuous bead of HYDRO-BLOK Joint Sealant inside the perimeter channel created by the Shower Pan at the rear wall plate (Fig. 7).

3. Place the Wallboard into the channel and firmly compress into the Joint Sealant. Use a level and tape measure to ensure the board is fully seated in the channel (minimum 3/16").

4. Fasten the Wallboard to the studs using HYDRO-BLOK Screws and Washers as shown in Fig. 8. Place the first row of Washers 12" up from the bottom of the Shower Pan, and then add Washers every 12" vertically on minimum 16" stud centers (Fig. 9). Drive the Screws/Washers in flush or just past flush of surface of the Wallboard.

   NOTE: Screws/Washers that land on/at a seam with another Wallboard section may span the boards, so only 1 screw/washer is required at these locations (including intersections).

5. As shown in Fig. 10 use the HYDRO-BLOK Corner Putty Knife to smooth out the excess HYDRO-BLOK Joint Sealant from the seam between the Shower Pan and Wallboard. Any excess Sealant removed can be spread to cover the Screws/Washers. Continue the Wallboard installation for the remaining first row and then finish the Shower Pan to Wallboard seam connection (see below).

6. Apply a ½" continuous bead of Joint Sealant in the channel on the side of your Shower Pan at the bottom plate and another bead running vertically on the end Wallboard so that when installing the side Wallboard it can be pressed firmly into the Shower Pan channel and against the rear Wallboard creating a continuous bond and seal (see Fig. 13 - page 4).

7. Place the side Wallboard approximately 1" from the rear Wallboard and compress it into the shower pan channel and towards the rear Wallboard until seated firmly. Use a level and tape measure ensure it is properly set in place.

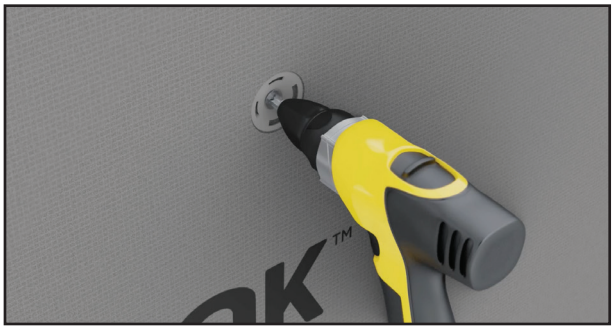
8. Attach the Wallboard to the studs with Screws and Washers and tool the Shower Pan to Wallboard joint using the same method described in Step 5 above. Continue this process until the first row of Wallboard is installed.

Finishing the Wallboard and Pan Seam Connections

1. To finish the joint and seam connections between the Shower Pan and Wallboard, first apply a final bead of ½" HYDRO-BLOK Joint Sealant on all joints and seams. Use a HYDRO-BLOK Corner Putty Knife for all 90 degree joints and the standard putty knife for all flat seams. Smooth out the Joint Sealant and ensure there is at least 1" on either side of any joint or seam. Any excess sealant can be used to cover Screws/Washers.

2. Cut the supplied 2" Mesh Tape to cover all joints and seams to within approximately 3" of the corners as per Fig. 11. It is not required to install the mesh tape all the way to the corner, or up vertical joints or seams.


Fig. 7


Fig. 8

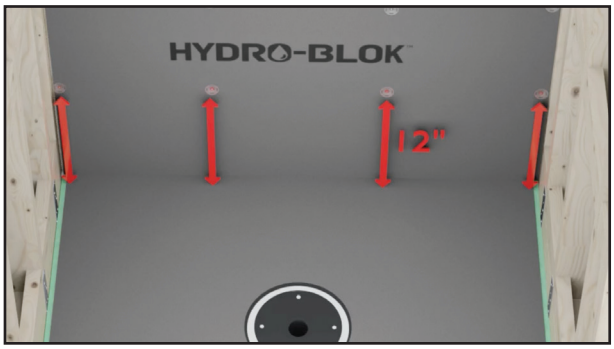
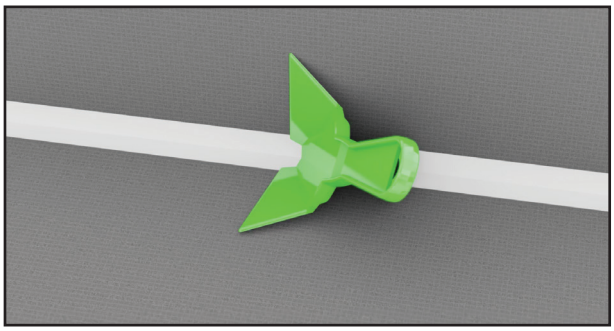
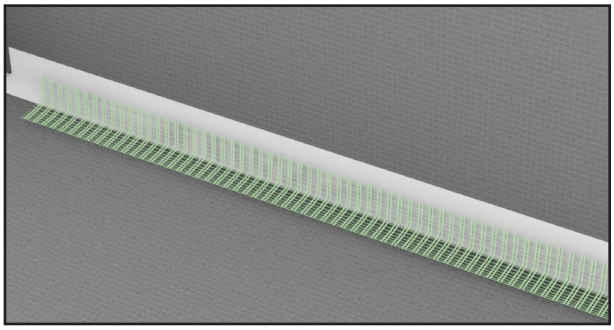


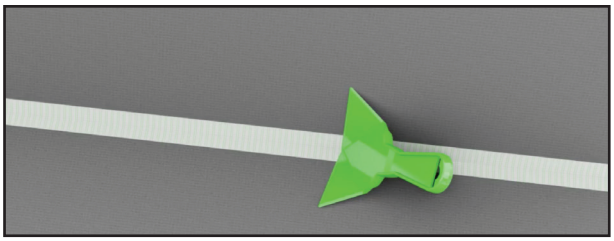
Fig. 9


Fig. 10


Fig. 11

Finishing the Wallboard and Pan Seam Connections - continued

3. Press the Mesh Tape into the existing Joint Sealant, working from the center out, smoothing any wrinkles.
4. Apply an additional continuous ½" bead of Joint Sealant on top of the Mesh Tape and smooth out again with the putty knives to fully cover the Mesh Tape (Fig. 12). Excess Joint Sealant from this process may be used to cover Screws/Washers.
5. Perform a final check of all joints and screws/washers to ensure they are completely covered in Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam.


Fig. 12

Continue Installation for the Remaining Wallboard

1. When placing a new piece of Wallboard on top of an existing piece, apply a ½" continuous bead of Joint Sealant along the entire edge of the lower board. Press the new upper Wallboard firmly down into the Joint Sealant and hold against the studs. Install a HYDRO-BLOK Washer and Screw 12" up from the seam close to the to center of the Wallboard to provide initial support. If the upper Wallboard is connecting to another previously installed Wallboard at the corner, first apply a ½" continuous bead of Joint Sealant to the existing board vertically at the corner as well and press the Wallboard being installed into the bottom and side beads of sealant at the same time.
2. Install Washers and Screws along the seam at the stud locations and at 12" vertical intervals to secure the board to the studs. Use a HYDRO-BLOK Standard Putty Knife to smooth out the excess Joint Sealant along the seam, using it to cover the seam as well as the Screws and Washers. Ensure all seams have a minimum of 1" of sealant on each side of the seam. Apply additional Joint Sealant as necessary
3. To finish the joint and seam connections, apply a final continuous bead of ½" Joint Sealant on all joints and seams. Use a HYDRO-BLOK Corner Putty Knife for all 90 degree joints and the Standard Putty Knife for all flat seams. Ensure there is at least 1" of Joint Sealant on either side of any joint or seam. Excess sealant can be used to cover Screws/Washers.
4. Perform a final check of all joints and screws/washers to ensure they are completely covered in Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam (Fig. 14).

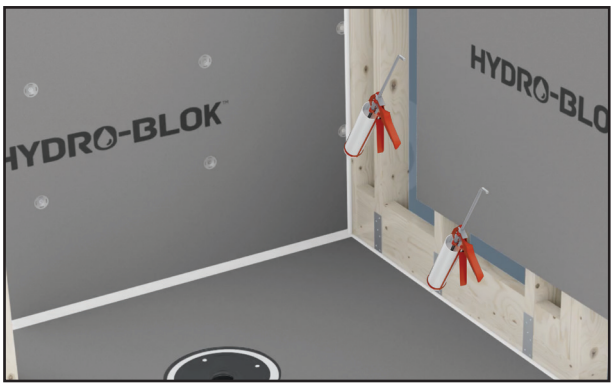


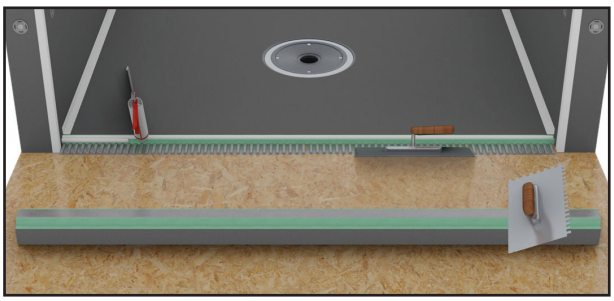
Fig. 13

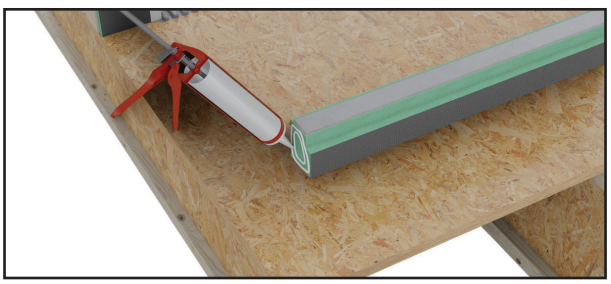


Fig. 14

Installing a HYDRO-BLOK Shower Curb

1. If a Shower Curb is to be installed, measure the opening and cut the Shower Curb 1/8" less. The Shower Curb can be cut with a wet saw, chop saw, circular saw, or hand saw. Ensure that any cuts are square and neat.
2. Dry fit the Curb to ensure that the notch in the Shower Curb matches up with the notch on the Shower Pan. If necessary, modify the Curb by increasing the notch depth ¼" or removing ¼" off the bottom, depending on your needs. Refer to the sticker attached to your Shower Curb for clarification if needed.
3. Apply modified thinset to the floor where the Shower Curb sits with a minimum 3/8" trowel, keeping the thinset ½" away from the foam edge of the Shower Pan. Using the flat side of the trowel, coat the exposed foam on the bottom of the Shower Curb with thinset (Fig. 15).
4. Apply a ½" continuous bead of Joint Sealant to the Shower Pan notch and on the lower vertical Shower Pan perimeter surface (Fig. 15).
5. Apply a generous amount of Joint Sealant to the Wallboard face where the Curb will be located and each end of the Shower Curb as shown in Fig. 16.
6. Fully compress the Shower Curb into it's seated position at an angle to avoid mixing the thinset and Joint Sealant. Use a level or square to slightly angle the Shower Curb to the inside of the shower to allow water to drain.

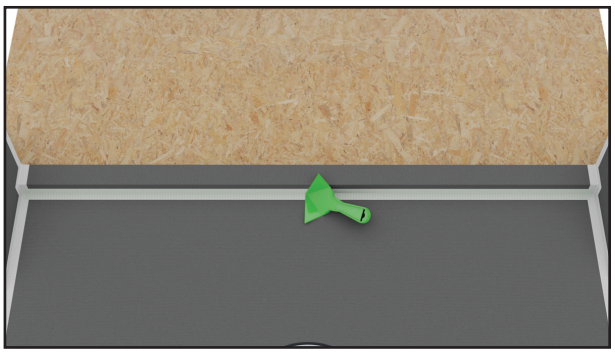

Fig. 15


Fig. 16

Installing a HYDRO-BLOK Shower Curb - continued

7. Use the HYDRO-BLOK Corner Putty Knife to smooth out the excess Joint Sealant from the seam between the Shower Pan and Curb and install 2" mesh tape as per the Shower Pan to Wallboard seams. Place an additional small piece of mesh tape at the top of Shower Curb to Wallboard joint. Any excess Joint Sealant can be spread to cover the Screws/Washers (Fig. 17).
8. HYDRO-BLOK Joint Sealant will cure under water so you can immediately fill the shower for flood testing. Use the supplied Foam Test Ball to block the drain opening during flood testing. After approximately one hour at room temperature HYDRO-BLOK Joint Sealant will skin over and thinset for Tile or Stone can safely be applied.

NOTE: The supplied screw hook can be screwed into the Foam Test Ball to act as a handle for inserting and removing the ball from the drain opening when flood testing. DO NOT insert the supplied Foam Test Ball more than half way into the drain pipe without using the supplied screw hook or it may be difficult to remove.

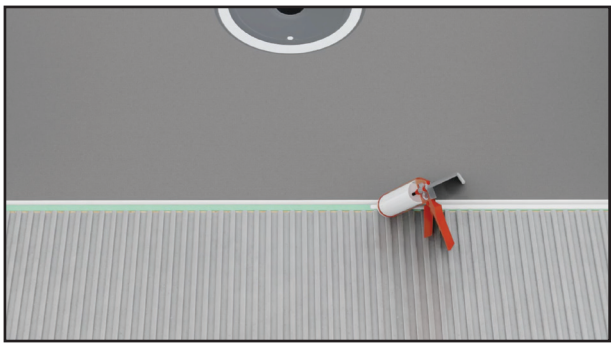

Fig. 17

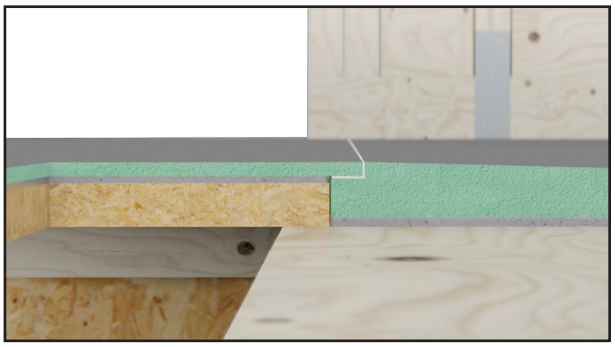
Waterproofing the Remaining Floor for Curb-less Installations

NOTE: For Curb-less showers, the remainder of the floor in the bathroom **must** be waterproofed. This includes a waterproof transition to the walls and up the walls at least 2".

1. Install ¼" HYDRO-BLOK Board on the floor and ½" HYDRO-BLOK Board for the wall base. An alternate waterproofing method may also be used, for example, when installing a heat membrane mat for heat wire (follow all manufacturers instructions).

   NOTE: When installing 48x84, 60x84, and 36x72 Offset Drain Pans, ½" of tile backer is required on the bathroom floor if your pan recess is ¾" to achieve a flush transition. These HYDRO-BLOK Low Profile Shower Pans are 1-1/4" thick at the perimeter versus the standard 1" thickness due to the overall length of the required slope.
2. Remove the wallboard at least 2" up the wall in the rest of the bathroom, or slightly shorter than what will be covered by the base finish.
3. Apply a continuous bead of HYDRO-BLOK Joint Sealant along the Shower Pan notch (Figs. 18 & 19).
4. Apply modified thinset to the subfloor with a ¼" notch trowel staying 1" away from the Pan. Trowel marks should be straight and running perpendicular to the pan to allow air to escape (Figs. 18 & 19).
5. Slowly lower the ¼" HYDRO-BLOK Board into the Joint Sealant at an angle to avoid mixing with the thinset and then compress against the Shower Pan. Walk on the HYDRO-BLOK Board to fully set it into the thinset.
6. Fasten the HYDRO-BLOK Board to the floor using HYDRO-BLOK Screws and Washers with a maximum spacing of 18". Install enough HYDRO-BLOK Board at this time to cover the entire length of the Shower Pan. When installing additional HYDRO-BLOK boards, apply a bead of Joint Sealant to the board on the floor and then compress the next board into it at an angle while slowly lowering into place to avoid mixing the thinset and Sealant. Fasten to the floor with HYDRO-BLOK Screws and Washers as described.
7. Apply a ½" bead of Joint Sealant to the seam between the Board and Shower Pan as shown in Fig. 20 and trowel the Joint Sealant flat with the Standard Putty Knife. Cut a strip of the included 2" mesh tape to within 3" of the ends of the Shower Pan and press the Mesh Tape into the existing Joint Sealant (Fig. 21) working from the center out with the Putty Knife, smoothing any wrinkles.
8. Apply an additional continuous ½" bead of Joint Sealant on top of the Mesh Tape and trowel flat to fully cover the Mesh Tape. Mesh Tape is not required for the seams connecting the ¼" Board together on the floor, only where the HYDRO-BLOK Boards meet the Shower Pan.


Fig. 18


Fig. 19

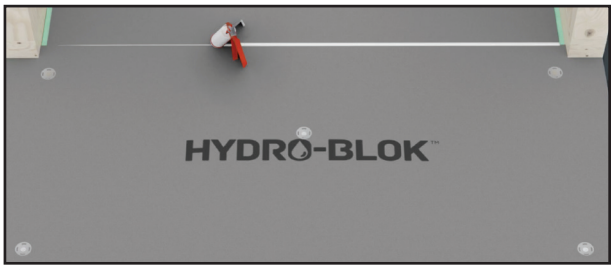


Fig. 20

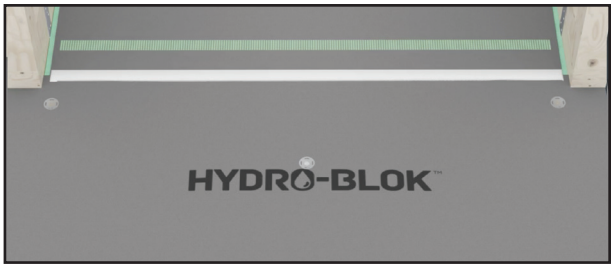


Fig. 21

Waterproofing the Floor for Curb-less Installations - continued

9. Install ¼" HYDRO-BLOK Board on the rest of the floor as described, making sure to pre-apply Sealant to all seams and cover them with a minimum of 1" of sealant troweled flat on each side. Excess sealant can be used to cover Screws/Washers.
10. Using ½" HYDRO-BLOK Wallboard, cut strips to fill in the gap between the ¼" HYDRO-BLOK Board on the floor and the existing wallboard. Apply a continuous ½" bead of Joint Sealant on the floor at the base of the wall, then insert the bottom of the ½" HYDRO-BLOK Wallboard at an angle into the sealant and press against the studs. Insert a HYDRO-BLOK Screw and Washer at each stud location.
11. Apply an additional ½" bead of Joint Sealant along the bottom joint and tool flat with the Corner Putty Knife. Apply a bead of Joint Sealant to all vertical seams between the HYDRO-BLOK board as you continue the installation. Mesh Tape is not required for any of these seams or joints.
12. Perform a final check of all joints and screws/washers to ensure they are completely covered in HYDRO-BLOK Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam as per Fig. 22.

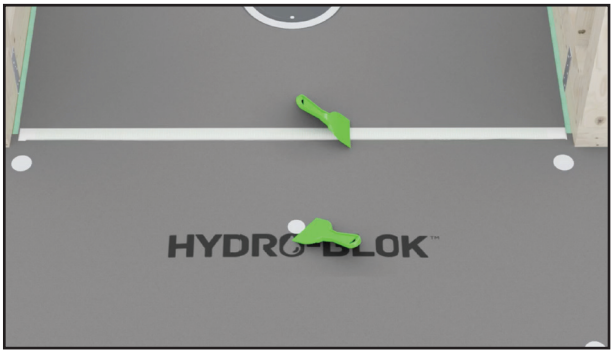
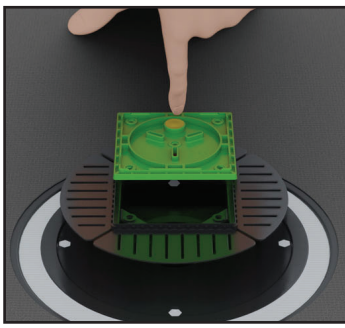
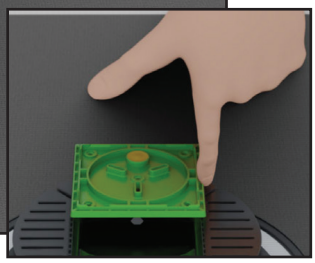


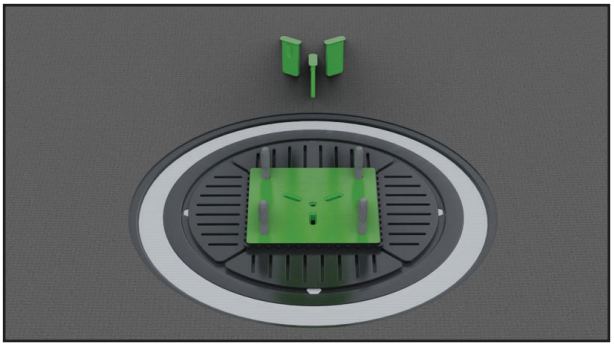
Fig. 22

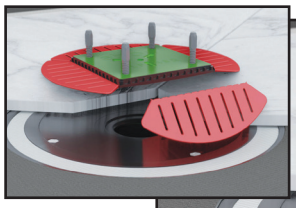
Installing the Adjustable Grate

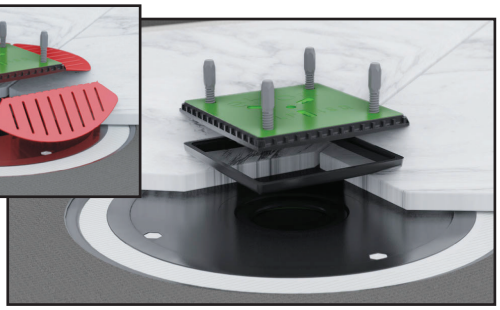
1. Flip the green Construction Plug upside down to access the Wax Cup. Remove the Wax Cap and use your finger to apply the wax to outer edge of the Construction Plug (Figs. 23 & 24). The wax is a release agent allowing the Construction Plug to easily separate from the grout after the tile installation is completely grouted.
2. Insert the Construction Plug into the Grate Frame and screw in the Leveling Screws until snug.
3. To have the Grate installed centered on the pipe location, insert the three Centering Tabs into the Construction Plug as shown in Fig. 25. To adjust the Grate off-center to assist with tile layout, remove the Centering Tabs to allow for adjustment up to ½" off center in any direction.
4. The Frame with attached Wings is set up from the factory to flush out with installed tile 3/16" (including thinset).
5. For thicker installations of tile up to ¾", snap off the Frame Wings (Fig. 26) and use the Leveling Screws in the Construction Plug to set the proper height flush with your tile. The Grate Frame Riser should be used under the Grate Frame for installations from ½" to ¾" to protect the drain pipe area from thinset and grout during tile installation (Fig. 27).
6. The Frame Wings are recommended to be reinstalled to fill the recessed area in the Pan Collar (especially recommended with small mosaics).
7. Place a few dabs of sealant under the Frame Wing fillers and tack into place. Do not use an abundance or continuous bead of sealant as the Wings **must** allow water to weep to the drain pipe.
8. If the Grate Frame was not installed centered then one of Frame Wings may need to be trimmed so it fits in the Pan Collar properly.
9. Install tile and finish all grout joints including the joints around the Construction Plug.
10. Allow the grout to cure overnight and then remove the four Leveling Screws in the Construction Plug. Re-install one screw in the center threaded area and pull upward to assist in removing the Construction Plug,
11. Cut away threaded corners on the Grate Frame.
12. Install the Included HYDRO-BLOK Stainless Steel Grate (Fig. 28).

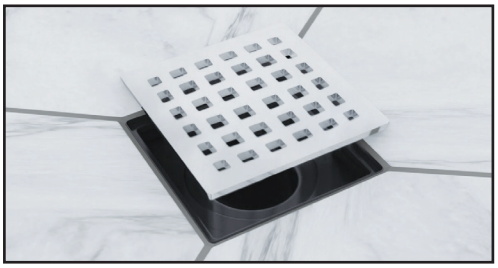

Fig. 23


Fig. 24


Fig. 25


Fig. 26


Fig. 27


Fig. 28

APPENDIX A - Remanufacture the Factory Low Profile Pan Notches

Using a circular saw with a standard wood blade, set the blade depth to 1/4" and make a cut through the cement surface on the top of the Pan ½" in from the new edge as shown in Fig. 29.

Use a circular saw or straight edge & utility knife to make a ½" deep cut through the foam on the edge of the Pan, 3/4" up from the bottom of the Pan as per Fig. 30.

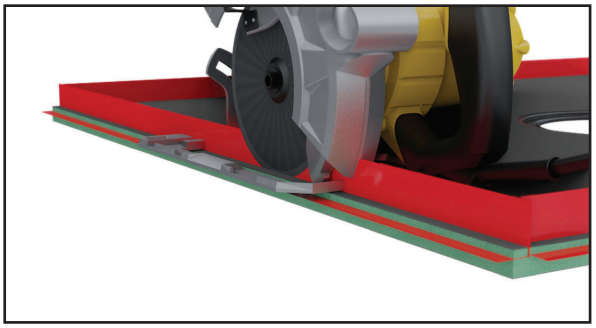


Fig. 29

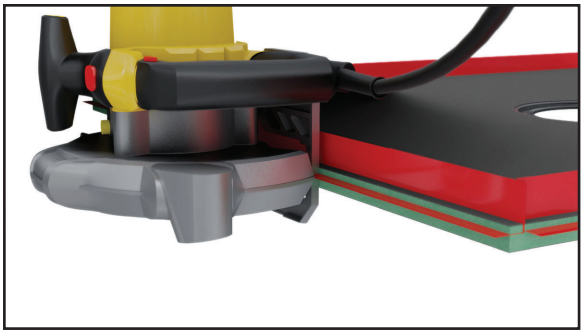


Fig. 30

APPENDIX B - Installation Requirements for Mosaic Tile on the Pan

When installing tile or stone that is smaller than 2"x2", a high performance grout with a minimum 3500 PSI compressive strength and meeting ANSI 118.7 or epoxy grout 118.3 must be used to comply with the HYDRO-BLOK warranty. These products are commonly used and readily available.

APPENDIX C - Water Testing the Curbless Pan

Cut 5" tall strips of ½" HYDRO-BLOK Wallboard and use HYDRO-BLOK Joint Sealant to temporarily seal them to the HYDRO-BLOK Pan and Walls across the opening. Provide additional support to the boards to prevent them from flexing out into the room due to the pressure of the water inside the Shower Pan.

The supplied screw hook can be screwed into the Foam Test Ball to act as a handle for inserting and removing the ball from the drain opening.

Once test is completed cut and remove the temporary HYDRO-BLOK Boards using a long razor knife or multitool at a parallel angle with the Pan and Walls.

NOTE: DO NOT insert the supplied Foam Test Ball more than half way into the drain pipe without using the supplied screw hook or it may be difficult to remove.

NOTES:

HYDRO-BLOK®
The BETTER Shower System

HYDRO-BLOK Shower System with Low Profile Pan
Installation Guide

Before Installing your HYDRO-BLOK Shower System

IMPORTANT: When installing the Low Profile Pan for curbless applications, it is necessary to waterproof the rest of the bathroom floor for protection. Please view our online installation videos by visiting www.hydroblok.com/youtube. Read all related installation guides before installing your HYDRO-BLOK Shower System. Contact your local HYDRO-BLOK representative or call us at 425-286-6840 (USA) if you have any questions regarding the installation process.

This installation guide is to be used exclusively for the installation of HYDRO-BLOK Low Profile Shower Pan systems.

Surfaces must be structurally sound, stable, rigid, and clean prior to installation. Following TCNA standards for tile installation, the deflection of the substrate must not exceed L/360, = to ¼" in 10'.

HYDRO-BLOK Wallboard is to be installed on maximum 16" stud spacing. Proper backing is required in the corners per typical details.

For proper backing support at the connection of the Drain and Shower Pan to Wallboard, a minimum dimensional 2x4 bottom plate (1-1/2" high) is required. Add additional backing if necessary.

Installation Tools and Materials Required

- Drill/driver with #2 Philips screwdriver bit
- Circular saw with standard wood blade for cutting the pan
- Tape measure, razor knife, and carpenter pencil or marker
- Level, straight edge, and square
- Modified Thinset with 3/8" minimum notch trowel, mixer, bucket and sponge
- HYDRO-BLOK Joint Sealant
- Sausage gun or standard caulking gun for HYDRO-BLOK Joint Sealant

Positioning the Drain Pipe

Using appropriate tools, remove a 5" to 6" wide section of the subfloor centered around the drain pipe location (round or square). Have a qualified plumber install a 2" ABS drain pipe so that the top of the pipe is flush with the top of the subfloor where the pan will be installed. The drain pipe must have a minimum 1" of clearance on all sides and be securely fastened below the subfloor so that it will not move downwards under load. After cutting, clean off any burrs on the 2" pipe.



Fig. 1

Installing the Low Profile Shower Pan

Included in your HYDRO-BLOK Shower Pan box are:

a) Drain Assembly with Tile-In Drain Cover
b) Pipe Puller to set the Drain Assembly into the pan and connect the pipe
c) 2" wide mesh tape. Install the mesh tape at any seam connections on the Pan. It is not necessary to use mesh tape on the vertical wallboard seams
d) Straight and corner putty knives for tooling the HYDRO-BLOK Joint Sealant
e) Foam Water Test Ball (for plugging the 2" drain pipe) and screw hook to aid in removal
f) Drain Hub Screws (not shown)

a.



b.



c.



d.



e.



Installing the Low Profile Shower Pan - continued

1. Prepare and clean the location where the HYDRO-BLOK Shower Pan will be installed. Measure from center of drain pipe to the perimeter of the pan area and transfer those dimension to the HYDRO-BLOK Shower Pan. If a HYDRO-BLOK Shower Curb is to be installed with the Shower Pan, ensure the curb is accounted for in any measurements.
2. Deduct 1/8" on all sides (Fig. 2) to allow for shim space and position the Shower Pan into place. The Foam Packaging Ring protecting the Drain Hub may be inserted into the Pan Collar to assist indexing the center of the opening for pulling your measurements.
3. Cut the Shower Pan and any Shower Pan Extensions to size using a circular saw. ⚠ **See Appendix A for details on how to remanufacture the factory notches.**
4. Dry fit the Shower Pan on the subfloor. Ensure all sides of Pan fit comfortably to within 1/8" of the perimeter within the space. **DO NOT** try to force the shower pan into its location. Doing so may damage the pan and make installation of the wallboard difficult.
5. Remove the Rubber Ball Seal from the Drain Hub and dry fit the Drain Hub into the Shower Pan Collar to ensure a proper alignment with the drain pipe (Fig. 3). The Drain Hub can be adjusted laterally up to ¼" in any direction to assist in making a proper connection.
6. Apply modified thinset to the subfloor with a minimum 3/8" x 3/8" notch trowel.
7. Set the Shower Pan into place and carefully step on pan in all areas to embed the Shower Pan into the thinset.
8. Apply two 3/8" beads of Joint Sealant on Pan Collar as shown in Fig 4
9. Insert Rubber Ball Seal in to Drain Hub ensuring the Down arrow is pointed to the bottom (drain pipe side) of the Drain Hub.
10. Insert the supplied Pipe Puller at an angle (fig. 4) until the handle reaches the pipe, then tighten by straightening the handle to a vertical position.
11. Press the Drain Hub over the drain pipe while pulling up on pipe puller (Fig. 5) ensuring the Drain Hub and drain pipe are fully seated to within ¼" of each other. NOTE: The rubber Ball Seal can accommodate up to a 5-degree angle in the drain pipe in any direction
12. Use 4 HYDRO-BLOK Wallboard Screws (optional #8 or #9 backer-board/wood screws with a minimum length of 1-1/4") to attach the Drain Hub into place on the subfloor within the Shower Pan Collar. Do not over tighten screws.

    NOTE: For concrete floors where the pipe is fixed and does not have any movement, it is not necessary to screw down the Drain Hub. The Ball Seal will hold the Drain Hub into place once fully set onto the drain pipe. Use an ample amount of Joint Sealant to fill the screw holes in the Drain Hub and tool flat.
13. Remove the Drain Puller.
14. Apply HYDRO-BLOK Joint Sealant to top seam between the Shower Pan Collar / Drain Hub connection and the screw holes and trowel flat with a putty knife as shown in Fig. 6.

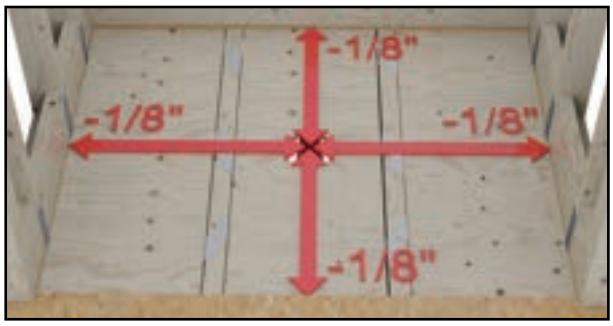


Fig. 2

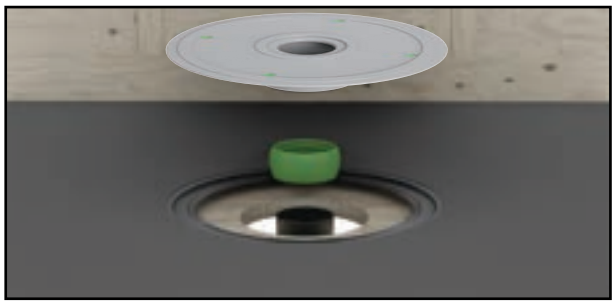
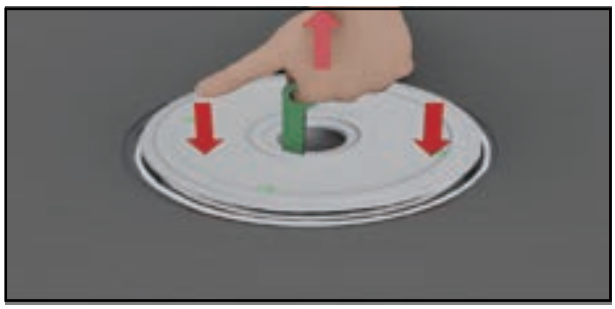
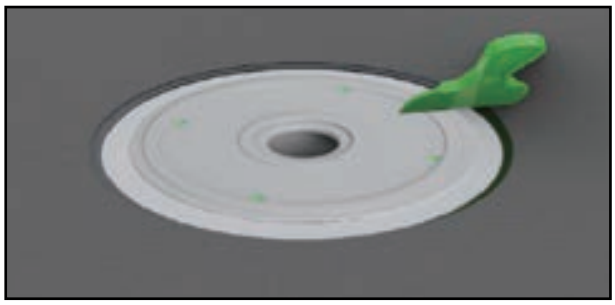

Fig. 3


Fig. 4


Fig. 5


Fig. 6

Installing the HYDRO-BLOK Wallboard

1. Use a utility knife with a fresh blade to cut the first row of ½" Wallboard around the entire perimeter of the shower area. Measure and cut the back wall at full width and then size and cut the side parts. Dry fit all Wallboard once cut to ensure proper fit before installation.

   NOTE: This step allows for a more efficient installation once you start using the HYDRO-BLOK Joint Sealant and adhering the parts together. On a typical climate day, you have approximately 20 minutes of open working time with the Joint Sealant. Having the parts pre-cut will allow you to complete the Shower Pan joint and first row of Wallboard installation within this time frame.

   NOTE: Wallboard must always be installed before installing a HYDRO-BLOK Shower Curb.

2. Apply a 1/2" continuous bead of HYDRO-BLOK Joint Sealant inside the perimeter channel created by the Shower Pan at the rear wall plate (Fig. 7).

3. Place the Wallboard into the channel and firmly compress into the Joint Sealant. Use a level and tape measure to ensure the board is fully seated in the channel (minimum 3/16").

4. Fasten the Wallboard to the studs using HYDRO-BLOK Screws and Washers as shown in Fig. 8. Place the first row of Washers 12" up from the bottom of the Shower Pan, and then add Washers every 12" vertically on minimum 16" stud centers (Fig. 9). Drive the Screws/Washers in flush or just past flush of surface of the Wallboard.

   NOTE: Screws/Washers that land on/at a seam with another Wallboard section may span the boards, so only 1 screw/washer is required at these locations (including intersections).

5. As shown in Fig. 10 use the HYDRO-BLOK Corner Putty Knife to smooth out the excess HYDRO-BLOK Joint Sealant from the seam between the Shower Pan and Wallboard. Any excess Sealant removed can be spread to cover the Screws/Washers. Continue the Wallboard installation for the remaining first row and then finish the Shower Pan to Wallboard seam connection (see below).

6. Apply a ½" continuous bead of Joint Sealant in the channel on the side of your Shower Pan at the bottom plate and another bead running vertically on the end Wallboard so that when installing the side Wallboard it can be pressed firmly into the Shower Pan channel and against the rear Wallboard creating a continuous bond and seal (see Fig. 13 - page 4).

7. Place the side Wallboard approximately 1" from the rear Wallboard and compress it into the shower pan channel and towards the rear Wallboard until seated firmly. Use a level and tape measure ensure it is properly set in place.

8. Attach the Wallboard to the studs with Screws and Washers and tool the Shower Pan to Wallboard joint using the same method described in Step 5 above. Continue this process until the first row of Wallboard is installed.

Finishing the Wallboard and Pan Seam Connections

1. To finish the joint and seam connections between the Shower Pan and Wallboard, first apply a final bead of ½" HYDRO-BLOK Joint Sealant on all joints and seams. Use a HYDRO-BLOK Corner Putty Knife for all 90 degree joints and the standard putty knife for all flat seams. Smooth out the Joint Sealant and ensure there is at least 1" on either side of any joint or seam. Any excess sealant can be used to cover Screws/Washers.

2. Cut the supplied 2" Mesh Tape to cover all joints and seams to within approximately 3" of the corners as per Fig. 11. It is not required to install the mesh tape all the way to the corner, or up vertical joints or seams.


Fig. 7


Fig. 8

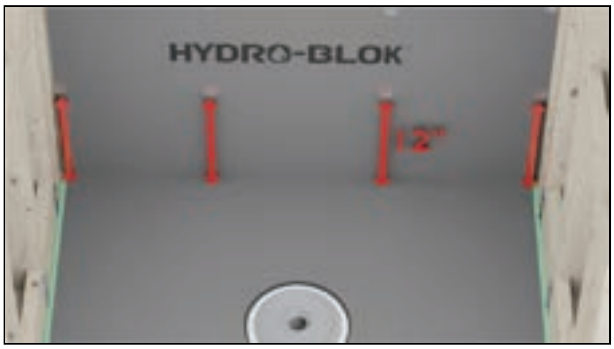
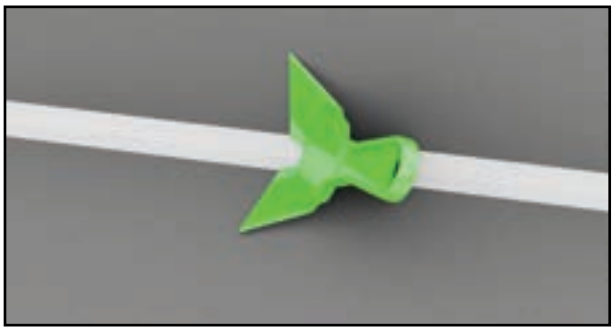
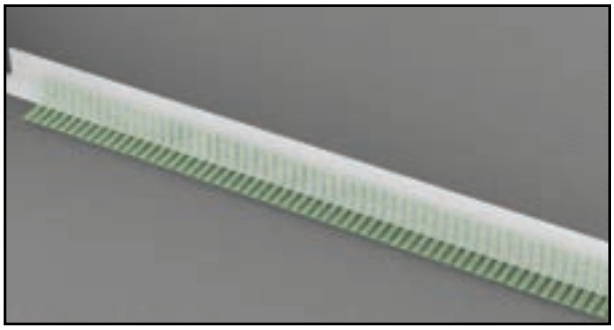


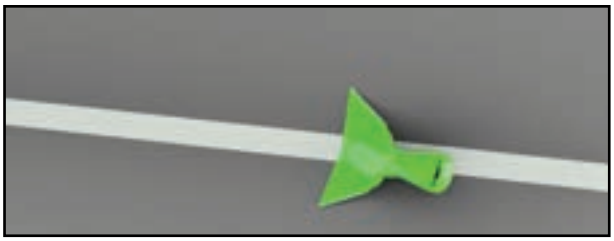
Fig. 9


Fig. 10


Fig. 11

Finishing the Wallboard and Pan Seam Connections - continued

3. Press the Mesh Tape into the existing Joint Sealant, working from the center out, smoothing any wrinkles.
4. Apply an additional continuous ½" bead of Joint Sealant on top of the Mesh Tape and smooth out again with the putty knives to fully cover the Mesh Tape (Fig. 12). Excess Joint Sealant from this process may be used to cover Screws/Washers.
5. Perform a final check of all joints and screws/washers to ensure they are completely covered in Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam.


Fig. 12

Continue Installation for the Remaining Wallboard

1. When placing a new piece of Wallboard on top of an existing piece, apply a ½" continuous bead of Joint Sealant along the entire edge of the lower board. Press the new upper Wallboard firmly down into the Joint Sealant and hold against the studs. Install a HYDRO-BLOK Washer and Screw 12" up from the seam close to the to center of the Wallboard to provide initial support. If the upper Wallboard is connecting to another previously installed Wallboard at the corner, first apply a ½" continuous bead of Joint Sealant to the existing board vertically at the corner as well and press the Wallboard being installed into the bottom and side beads of sealant at the same time.
2. Install Washers and Screws along the seam at the stud locations and at 12" vertical intervals to secure the board to the studs. Use a HYDRO-BLOK Standard Putty Knife to smooth out the excess Joint Sealant along the seam, using it to cover the seam as well as the Screws and Washers. Ensure all seams have a minimum of 1" of sealant on each side of the seam. Apply additional Joint Sealant as necessary
3. To finish the joint and seam connections, apply a final continuous bead of ½" Joint Sealant on all joints and seams. Use a HYDRO-BLOK Corner Putty Knife for all 90 degree joints and the Standard Putty Knife for all flat seams. Ensure there is at least 1" of Joint Sealant on either side of any joint or seam. Excess sealant can be used to cover Screws/Washers.
4. Perform a final check of all joints and screws/washers to ensure they are completely covered in Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam (Fig. 14).

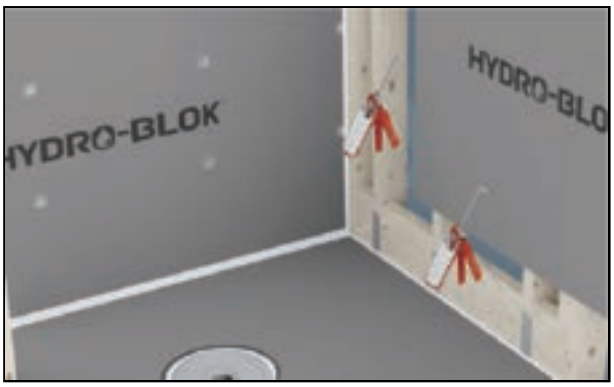


Fig. 13



Fig. 14

Installing a HYDRO-BLOK Shower Curb

1. If a Shower Curb is to be installed, measure the opening and cut the Shower Curb 1/8" less. The Shower Curb can be cut with a wet saw, chop saw, circular saw, or hand saw. Ensure that any cuts are square and neat.
2. Dry fit the Curb to ensure that the notch in the Shower Curb matches up with the notch on the Shower Pan. If necessary, modify the Curb by increasing the notch depth ¼" or removing ¼" off the bottom, depending on your needs. Refer to the sticker attached to your Shower Curb for clarification if needed.
3. Apply modified thinset to the floor where the Shower Curb sits with a minimum 3/8" trowel, keeping the thinset ½" away from the foam edge of the Shower Pan. Using the flat side of the trowel, coat the exposed foam on the bottom of the Shower Curb with thinset (Fig. 15).
4. Apply a ½" continuous bead of Joint Sealant to the Shower Pan notch and on the lower vertical Shower Pan perimeter surface (Fig. 15).
5. Apply a generous amount of Joint Sealant to the Wallboard face where the Curb will be located and each end of the Shower Curb as shown in Fig. 16.
6. Fully compress the Shower Curb into it's seated position at an angle to avoid mixing the thinset and Joint Sealant. Use a level or square to slightly angle the Shower Curb to the inside of the shower to allow water to drain.

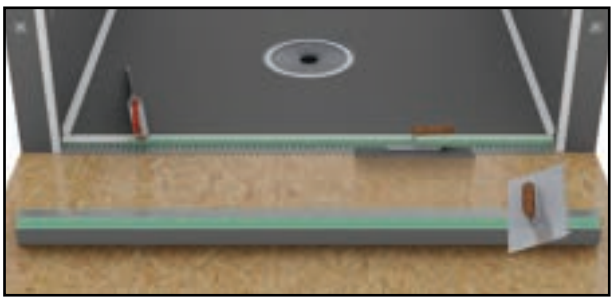
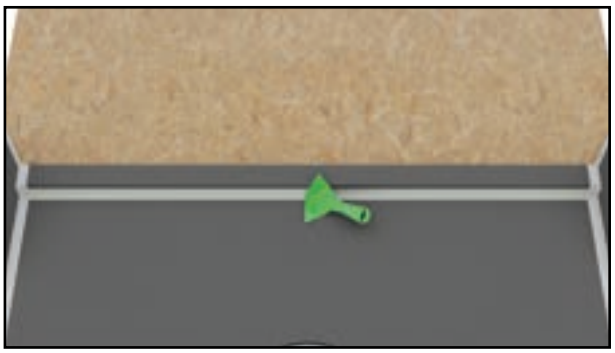

Fig. 15


Fig. 16

Installing a HYDRO-BLOK Shower Curb - continued

7. Use the HYDRO-BLOK Corner Putty Knife to smooth out the excess Joint Sealant from the seam between the Shower Pan and Curb and install 2" mesh tape as per the Shower Pan to Wallboard seams. Place an additional small piece of mesh tape at the top of Shower Curb to Wallboard joint. Any excess Joint Sealant can be spread to cover the Screws/Washers (Fig. 17).
8. HYDRO-BLOK Joint Sealant will cure under water so you can immediately fill the shower for flood testing. Use the supplied Foam Test Ball to block the drain opening during flood testing. After approximately one hour at room temperature HYDRO-BLOK Joint Sealant will skin over and thinset for Tile or Stone can safely be applied.

NOTE: The supplied cork screw can be screwed into the Foam Test Ball to act as a handle for inserting and removing the ball from the drain opening when flood testing. DO NOT insert the supplied Foam Test Ball more than half way into the drain pipe without using the supplied screw hook or it may be difficult to remove.

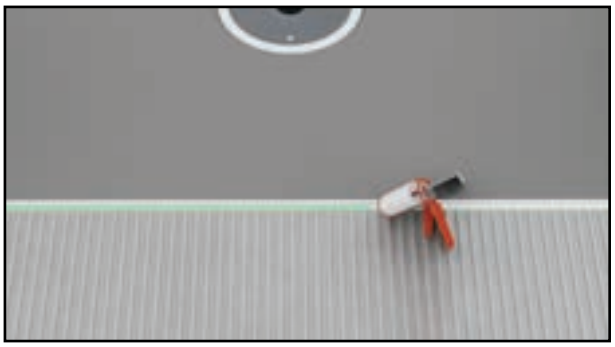

Fig. 17

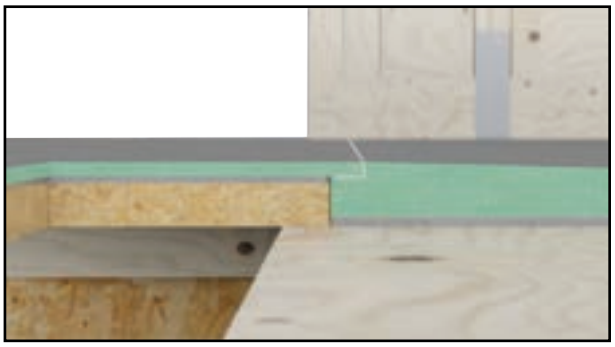
Waterproofing the Remaining Floor for Curb-less Installations

NOTE: For Curb-less showers, the remainder of the floor in the bathroom **must** be waterproofed. This includes a waterproof transition to the walls and up the walls at least 2".

1. Install ¼" HYDRO-BLOK Board on the floor and ½" HYDRO-BLOK Board for the wall base. An alternate waterproofing method may also be used, for example, when installing a heat membrane mat for heat wire (follow all manufacturers instructions).

   NOTE: When installing 48x84, 60x84, and 36x72 Offset Drain Pans, ½" of tile backer is required on the bathroom floor if your pan recess is ¾" to achieve a flush transition. These HYDRO-BLOK Low Profile Shower Pans are 1-1/4" thick at the perimeter versus the standard 1" thickness due to the overall length of the required slope.
2. Remove the wallboard at least 2" up the wall in the rest of the bathroom, or slightly shorter than what will be covered by the base finish.
3. Apply a continuous bead of HYDRO-BLOK Joint Sealant along the Shower Pan notch (Figs. 18 & 19).
4. Apply modified thinset to the subfloor with a ¼" notch trowel staying 1" away from the Pan. Trowel marks should be straight and running perpendicular to the pan to allow air to escape (Figs. 18 & 19).
5. Slowly lower the ¼" HYDRO-BLOK Board into the Joint Sealant at an angle to avoid mixing with the thinset and then compress against the Shower Pan. Walk on the HYDRO-BLOK Board to fully set it into the thinset.
6. Fasten the HYDRO-BLOK Board to the floor using HYDRO-BLOK Screws and Washers with a maximum spacing of 18". Install enough HYDRO-BLOK Board at this time to cover the entire length of the Shower Pan. When installing additional HYDRO-BLOK boards, apply a bead of Joint Sealant to the board on the floor and then compress the next board into it at an angle while slowly lowering into place to avoid mixing the thinset and Sealant. Fasten to the floor with HYDRO-BLOK Screws and Washers as described.
7. Apply a ½" bead of Joint Sealant to the seam between the Board and Shower Pan as shown in Fig. 20 and trowel the Joint Sealant flat with the Standard Putty Knife. Cut a strip of the included 2" mesh tape to within 3" of the ends of the Shower Pan and press the Mesh Tape into the existing Joint Sealant (Fig. 21) working from the center out with the Putty Knife, smoothing any wrinkles.
8. Apply an additional continuous ½" bead of Joint Sealant on top of the Mesh Tape and trowel flat to fully cover the Mesh Tape. Mesh Tape is not required for the seams connecting the ¼" Board together on the floor, only where the HYDRO-BLOK Boards meet the Shower Pan.


Fig. 18


Fig. 19

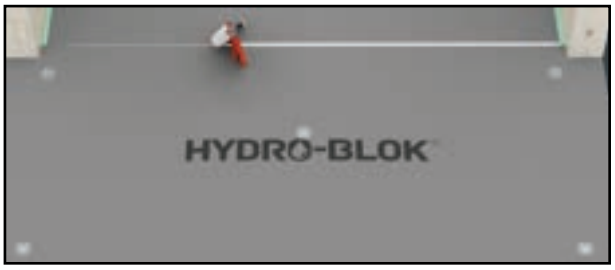


Fig. 20

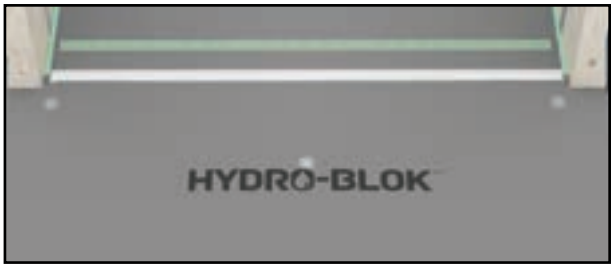


Fig. 21

Waterproofing the Floor for Curb-less Installations - continued

9. Install ¼" HYDRO-BLOK Board on the rest of the floor as described, making sure to pre-apply Sealant to all seams and cover them with a minimum of 1" of sealant troweled flat on each side. Excess sealant can be used to cover Screws/Washers.
10. Using ½" HYDRO-BLOK Wallboard, cut strips to fill in the gap between the ¼" HYDRO-BLOK Board on the floor and the existing wallboard. Apply a continuous ½" bead of Joint Sealant on the floor at the base of the wall, then insert the bottom of the ½" HYDRO-BLOK Wallboard at an angle into the sealant and press against the studs. Insert a HYDRO-BLOK Screw and Washer at each stud location.
11. Apply an additional ½" bead of Joint Sealant along the bottom joint and tool flat with the Corner Putty Knife. Apply a bead of Joint Sealant to all vertical seams between the HYDRO-BLOK board as you continue the installation. Mesh Tape is not required for any of these seams or joints.
12. Perform a final check of all joints and screws/washers to ensure they are completely covered in HYDRO-BLOK Joint Sealant and there is at least 1" of Joint Sealant on either side of any joint or seam as per Fig. 22.

⚠ **SEE APPENDIX C FOR WATER TESTING GUIDANCE**

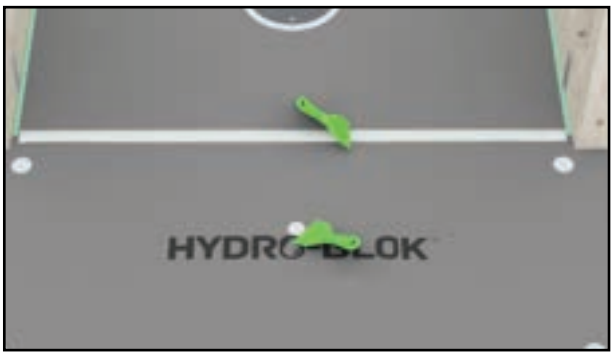
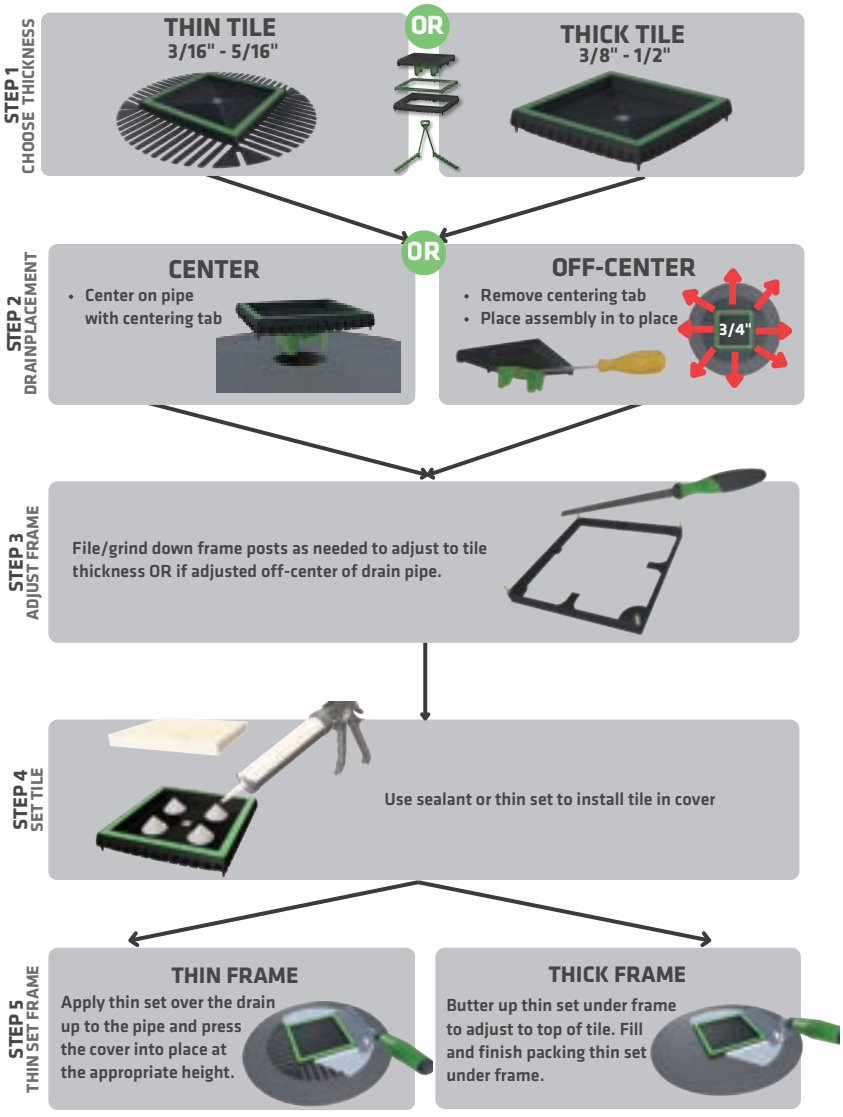


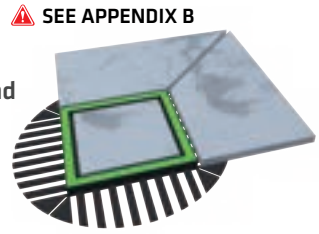
Fig. 22



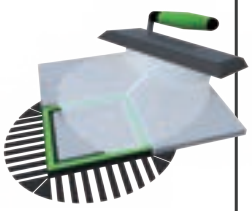
TILING THE DRAIN

STEP 1
⚠ **SEE APPENDIX B**

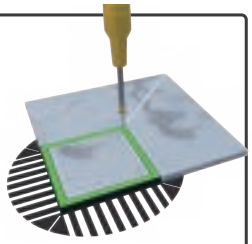
Thin set tile around frame and inside cover.



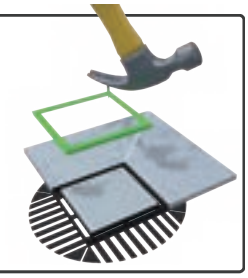
STEP 2
Apply grout to all open joints until packed solid. Then sponge smooth and clean surface of all grout and grout haze.



STEP 3
To remove Green Grout Frame, partially drive in a screw to one of any corners the next day after grout is cured.



STEP 4
Use fingers or tool to assist in removing Grout Frame



Note: Make sure to remove Centering Tabs on underside of tiles Cover as instructed on page 1.

⚠ APPENDIX A - Remanufacture the Factory Low Profile Pan Notches

Using a circular saw with a standard wood blade, set the blade depth to 1/4" and make a cut through the cement surface on the top of the Pan ½" in from the new edge as shown in Fig. 29.

Use a circular saw or straight edge & utility knife to make a ½" deep cut through the foam on the edge of the Pan, 3/4" up from the bottom of the Pan as per Fig. 30.

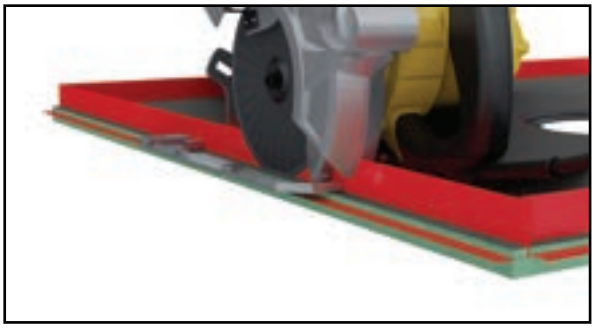


Fig. 29



Fig. 30

⚠ APPENDIX B - Installation Requirements for Mosaic Tile on the Pan

When installing tile or stone that is smaller than 2"x2", a high performance grout with a minimum 3500 PSI compressive strength and meeting ANSI 118.7 or epoxy grout 118.3 must be used to comply with the HYDRO-BLOK warranty. These products are commonly used and readily available.

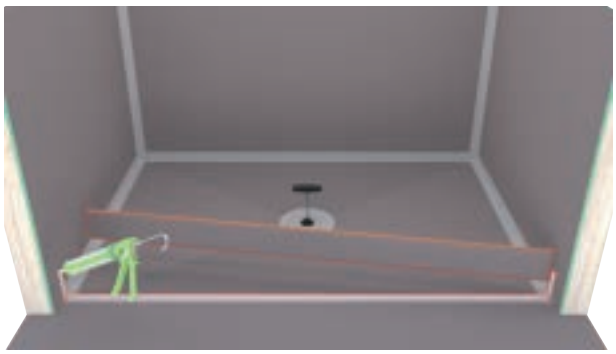
⚠ APPENDIX C - Water Testing the Curbless Pan

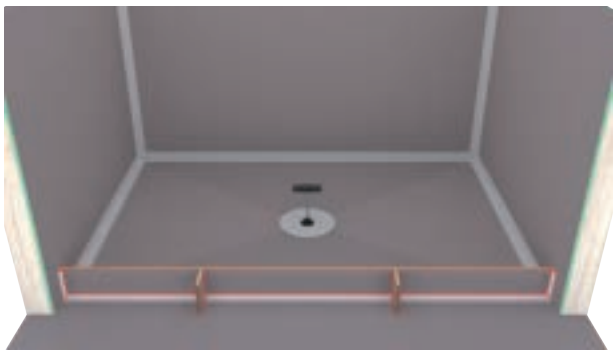
Cut 5" tall strips of ½" HYDRO-BLOK Wallboard and use HYDRO-BLOK Joint Sealant to temporarily seal them to the HYDRO-BLOK Pan and Walls across the opening. Provide additional support to the boards to prevent them from flexing out into the room due to the pressure of the water inside the Shower Pan.

The supplied cork screw can be screwed into the Foam Test Ball to act as a handle for inserting and removing the ball from the drain opening.

Once test is completed cut and remove the temporary HYDRO-BLOK Boards using a long razor knife or multitool at a parallel angle with the Pan and Walls.

NOTE: DO NOT insert the supplied Foam Test Ball more than half way into the drain pipe without using the supplied cork screw or it may be difficult to remove.





NOTES:

HYDRO-BLOK™
The BETTER Shower System

HYDRO-BLOK Shower System with Single Slope Pan
with Ebbe INNI® Linear Drain

Before Installing your HYDRO-BLOK Shower System

IMPORTANT: We highly recommend watching our online installation videos before installing your drain. Visit www.hydroblok.com and click on the YouTube link/logo. Read all related installation guides and ensure you understand all steps before installing your HYDRO-BLOK Shower System. Contact your local HYDRO-BLOK representative or call us at 1-844-588-9559 if you have any questions regarding the installation process.

NOTE: For additional installation options for back wall with hidden drain or curb-less entry at shower entry, see the installation guide included with your ebbe INNI Linear Drain

This installation guide is to be used exclusively for the installation of HYDRO-BLOK Single Slope Shower Pans with an Ebbe America INNI® Linear Drain system.

Surfaces must be structurally sound, stable, rigid, and clean prior to installation. Following TCNA standards for tile installation, the deflection of the substrate must not exceed L/360.

For proper backing support where the drain/shower pan meet your HYDRO-BLOK wallboard, a minimum 2" x 4" bottom plate (1 1/2" high) must be present. This provides the wallboard with the necessary support needed at the shower pan joint. Add additional backing between the studs if necessary.

Installation Tools and Materials Required

- Drill/driver with #2 Philips screwdriver bit
- Tile saw, circular saw, or chop saw to cut drain for site sizing
- Reciprocating saw or oscillating multi-tool for sub floor prep
- Tape measure, razor knife, and carpenter pencil or marker
- Level, straight edge, and square
- ABS cement or ABS to PVC Transition cement
- Modified Thinset with 3/8" minimum notch trowel, mixer, bucket and sponge
- Cleaning supplies (we recommend paper towels, citrus wipes, rags, dust pan and brush)

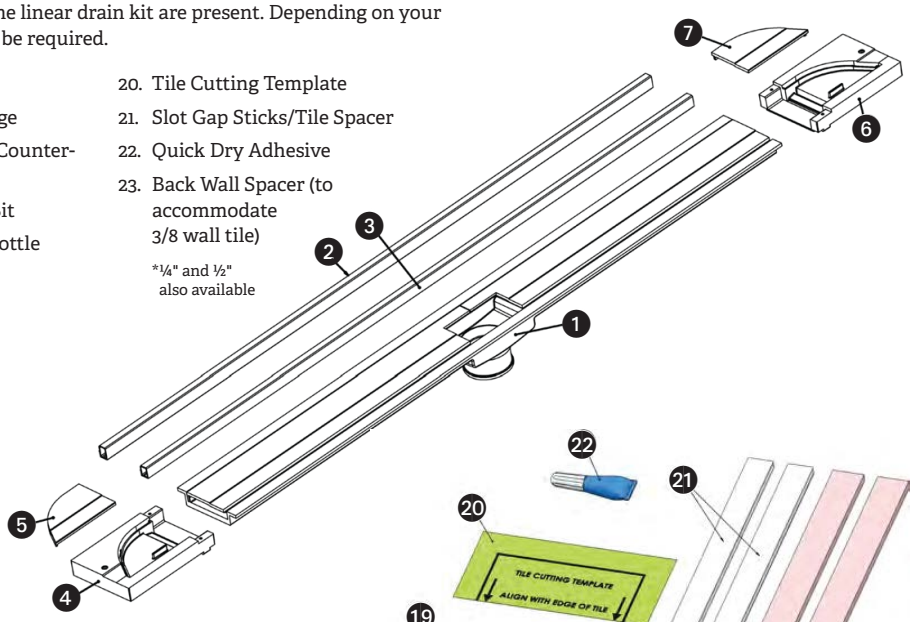
IMPORTANT: Please read all related installation guides before installing your HYDRO-BLOK Shower System! Contact your local dealer if you have any questions regarding the installation process.

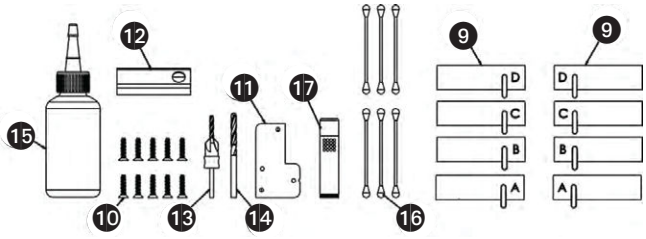
Included with your Ebbe INNI Linear Drain Kit

Before beginning your installation, ensure all parts of the linear drain kit are present. Depending on your installation location/options, additional trim parts may be required.

1. Drain Body
2. High Side Stiffening Rail
3. Low Side Stiffening Rail
4. Left End Sweep
5. Left End Sweep Deck
6. Right End Sweep
7. Right End Sweep Deck
8. Access Debris Cover
9. Transition Ramps
10. #8 x ¾" Screws
11. Hole Drill Guide
12. Countersink Gauge
13. ⅛" Twist Drill w. Countersink
14. 3/16" Twist Drill Bit
15. ABS Applicator Bottle
16. Cotton Swabs
17. Wax Stick
18. ⅜" Access Tray*
19. ⅜" Access Trim*
20. Tile Cutting Template
21. Slot Gap Sticks/Tile Spacer
22. Quick Dry Adhesive
23. Back Wall Spacer (to accommodate 3/8 wall tile)

*¼" and ½" also available





Included with your HYDRO-BLOK Single Slope Shower Pan (not shown)

1. Single Slope Shower Pan
2. Standard and Corner Putty Knives
3. Mesh Tape

Positioning the Drain Pipe

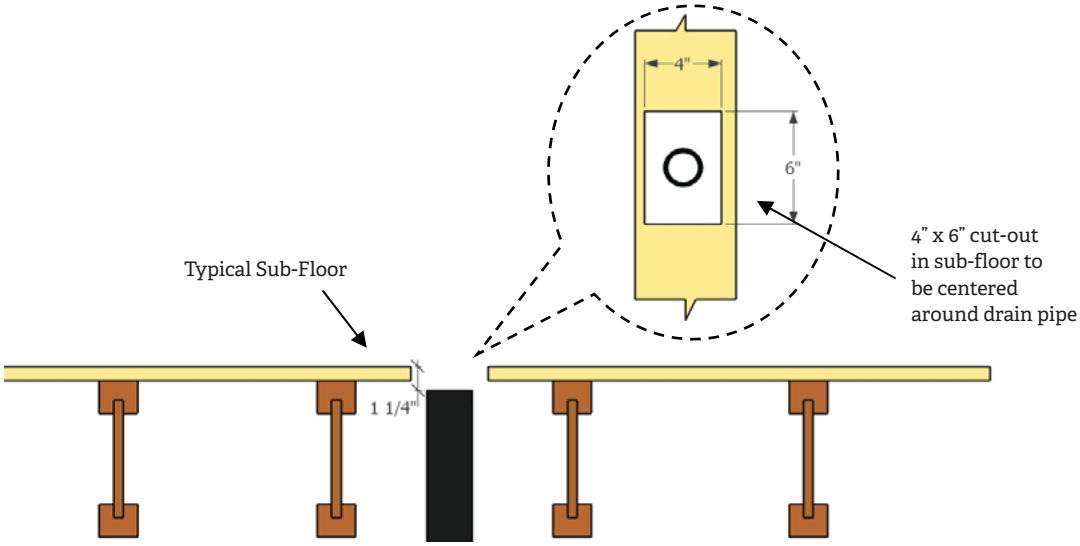
Using appropriate tools, remove a 4"x6" section of the subfloor centered around the drain pipe location. Have a qualified plumber install a 2" ABS drain pipe so that the top of the pipe is 1-1/4" below the top surface where the drain will be installed.

The drain pipe must be securely fastened below the subfloor so that it will not move down under load. Clean off any burrs on the 2" pipe after cutting. See specifications for proper placement of the pipe for your application.

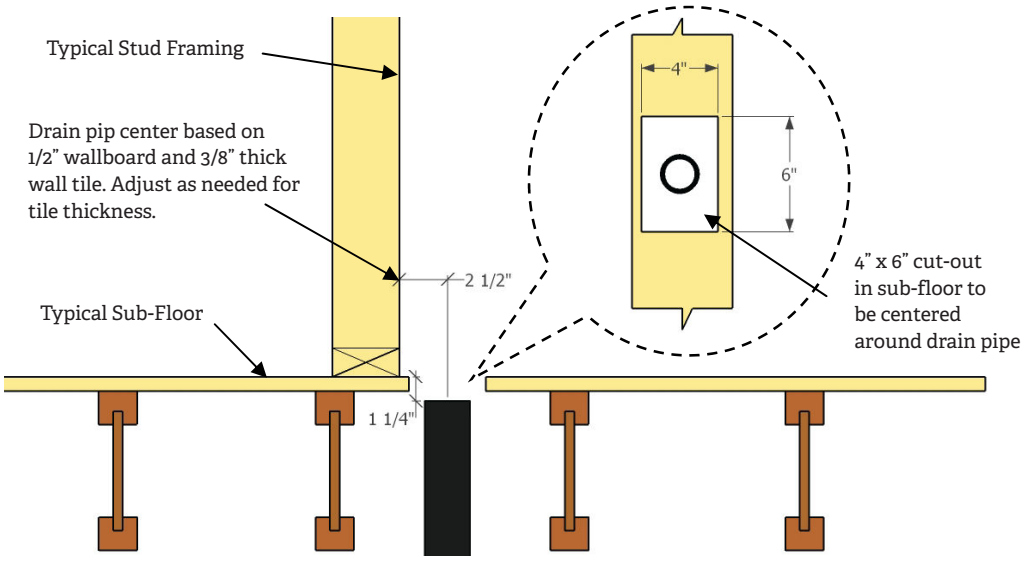
Notes

1. Installation to be completed in accordance with manufacturer specifications.
2. Drawings are not to scale.
3. Single Slope Pans are sloped at 1/4" per foot to the drain.
4. Line Drain will attach to pan on thin edge. Underlined dimension in pan part number indicates edge for drain attachment.

HYDRO-BLOK LINE DRAIN STANDARD PLUMBING PREP



HYDRO-BLOK LINE DRAIN PLUMBING PREP AT BACK/SIDE WALL



Site Sizing and Assembling the Linear Drain for Installation

The INNI Linear Drain is designed to be cut down to accommodate each specific installation. If your installation requires a Linear Drain that is longer than 73-3/8", this can be accomplished by using the Line Drain Slot Extender or Line Drain Coupler. Contact your local HYDRO-BLOK representative for assistance or visit www.hydroblok.com for more information on these products.

1. In the shower opening, measure from the center of the drain pipe to each end of the desired drain length. Use a tile saw, circular saw, or chop saw to rough cut each end of the drain body so that it will fit inside the shower opening, leaving approximately 1" of clearance at each end.
2. To make the final cuts place the Drain body in the desired location. Place the left and right End Caps against the left and right walls respectively. The End Caps will help to determine the final cut length of the Drain Body. Using a square, carefully mark a line on the top of the Drain Body at the location of the upper ledge of the End Cap (fig. 1). The Drain Body is now ready for the final cut. Ensure all cuts to the Drain Body are NEAT and SQUARE.



Fig. 1

Site Sizing and Assembling the Linear Drain for Installation (cont.)

3. Once the final cuts have been made, de-burr the parts with a utility knife and dry fit the Drain Body and End Caps together tightly to verify the assembly fits the desired width with a 1/8" maximum gap on each end.
3. Using the supplied drill jig and countersink bit (fig. 2), drill two holes at each end of the Drain Body that will align with the screw chases manufactured into the End Cap.
4. Countersink each of the 4 holes using the supplied countersink bit and jig so that the included screws will sit flush with the top of the Drain Body.
5. Each End Cap will come with a cover factory installed. The covers will need to be removed temporarily for the following steps. Remove the covers by gently lifting or prying upward from inside the cavity.
6. On the underside of the Drain Body zones A,B,C, and D are marked in raised lettering. Select the Transition Ramps with the markings matching the zone where the final cut has been made (fig. 3) .
7. Each End Caps has a cover support rib. The rib on the Ramp you select needs to align with the deck support ribs built into the Drain Body channel. Dry fit the Ramps into the End Cap and then Drain Body. If the final cut intersects one of these ribs you will need to remove the overhung portion of the Ramp rib so it will not interfere with the main channel rib.
8. Ensure each End Cap is located on the appropriate side of the Drain Body by temporarily placing the End Cap covers in place, ensuring the slot aligns with the slot on the main drain body.
9. On each End Cap, apply a continuous bead of ABS pipe cement as shown (fig. 4) using the applicator bottle supplied with the Linear Drain kit. Firmly press the matching Ramp insert into place ensuring the rib on the Ramp insert aligns with the rib on the End Cap.
10. Using the supplied applicator bottle, apply 2 continuous beads of ABS cement as shown (fig. 5) to one of the End Caps and immediately fit the End Cap onto the main Drain Body. There should be a sufficient amount of ABS cement applied so that cement squeezes out on the top side.
11. While supporting the joint, install two of the supplied screws to secure the End Cap to the Drain Body (fig. 7). Remove any excess ABS cement squeeze out using the included cotton swabs and/or rags.
12. Flip the drain assembly over and apply an additional heavy bead of ABS cement along the entire seam between the End Cap and Drain Body. Let the Drain sit upside down for approximately 1 minute to allow this bead to set up before flipping back over/continuing.
13. Repeat this step for the second end cap.
14. Install the End Cap Covers by applying a small amount of ABS cement as shown (fig. 6) and firmly pressing the covers into place.
15. At this stage it is recommended to perform a simple watertight test by plugging the drain connection and filling the linear drain body with water to the top of the Drain. Ensure there are no leaks present at either of the End Cap seams.



Fig. 2



Fig. 3



Fig. 4

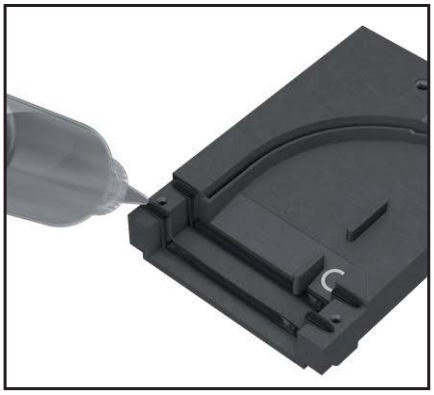


Fig. 5

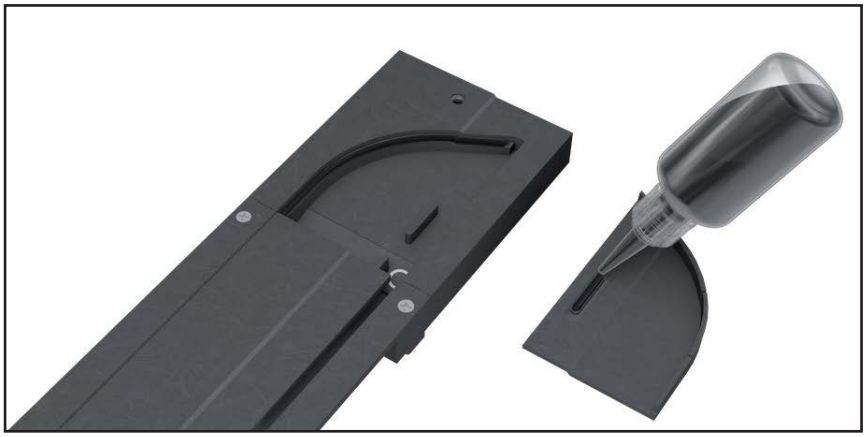


Fig. 6



Fig. 7



Fig. 8

Site Sizing and Assembling the Linear Drain for Installation (cont.)

16. Measure the length of the underside channels on the front and rear of the assembled Drain Body. Mark and cut the two Aluminum Support Rails ¼" less (allowing for 1/8" on each end to avoid the bead of ABS applied to the End Sweep).
17. Dry fit each Support Rail into place, ensuring the slot-side rail (labeled) is placed on the slot side of the Drain Body (labeled).

CAUTION: the two Aluminum Rails are different heights and must be placed on the correct side of the drain body.

18. Remove the peel and stick backing from the adhesive on each Support rail and press each rail firmly into place (fig. 9).
19. Use the supplied jig as shown (Fig 10) and drill 3 holes through the drain body and into the Support Rail along each side; one near each end of the rail, and one in the center. Countersink each hole so that the screw heads will sit flush with the top of the drain body. Install the supplied screws until tight and flush (do not over tighten).

At this point the drain is completely assembled and you are now ready to proceed with the installation into your shower area.

Fig. 9



Fig. 10



Installing the Linear Drain - Typical Back Wall Installation

1. Dry fit the drain assembly into place. Included in the drain kit are 2 Pink ¼" x 1" Foam Filler Spacer Strips. If the selected tile to be installed is a smaller format with a ¼" thick body or less then these will not be used. If the tile is 3/8" thick large format, use the included spacers between the framing and drain body so that after the tile is installed it will flush out with the backside of the Drain Slot.
2. Mark the floor at the front edge of the drain assembly.
3. Using modified thinset, fill in the hollow portion on the underside of the drain end caps.
4. Using a trowel (minimum 3/8" notch), comb the floor in the marked area where the drain sits with modified thinset.
5. If the pink spacer strips are used, apply continuous bead of HYDRO-BLOK Joint Sealant to the Drain Body and adhere them to the Drain, Apply an additional bead of sealant to the framing where the assembly will contact it.
6. Apply ABS cement to the drain connector and pipe, then quickly and firmly set the drain into place, ensuring that the pipe extends all the way into the connector. Pull up on the pipe with your fingers or use a rubber hammer handle angled into the pipe for leverage if necessary.
7. Ensure sure the Drain is level. Shim if necessary.
8. With a sponge, wipe away any visible thinset that may have squeezed out while setting the Drain into place.

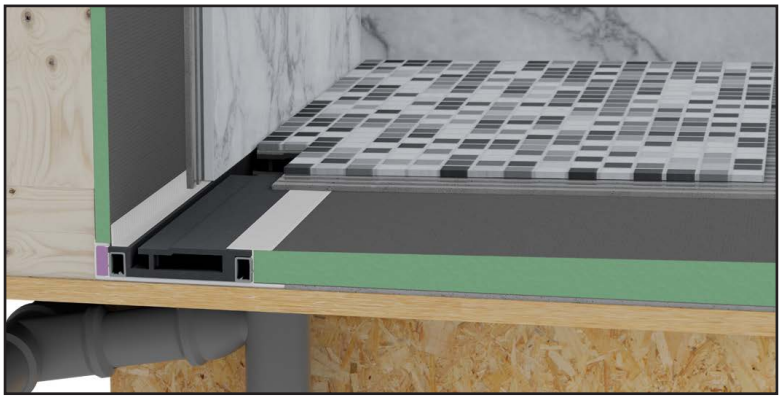


Fig. 11



Fig. 12



Fig. 13

Installing the HYDRO-BLOK Single Slope Shower Pan

1. Measure the remaining space for the Shower Pan. Remember to leave appropriate space to accommodate your HYDRO-BLOK Shower Curb (if applicable). Deduct ¼" overall each in dimension to allow for a 1/8" gap at the perimeter and between parts (fig. 14).
2. Cut the Shower Pan and any Pan Extensions to size using a circular saw. See APPENDIX A for details on how to remanufacture the factory notches on any side where a cut was made.

   NOTE: If removing more than 4" on the sloped dimension of the Shower Pan, always cut the rear/back/taller side of the pan so that the height of the pan at the drain body remains the same.
3. Dry fit the Shower Pan on the subfloor. Ensure all sides of the Shower Pan fit comfortably with a 1/8" perimeter gap. DO NOT try to force the shower pan into its location. Doing so may damage the pan and prevent proper installation of the wallboard.
4. Dry fit the first row of ½" HYDRO-BLOK Wallboard around the entire perimeter (cut to size using a utility knife with a new blade), beginning with the back wall at full width followed by the sides. On a typical climate day, the HYDRO-BLOK Joint Sealant has a ~ 20 minute working time. Having parts pre-cut will allow the Shower Pan and first row of Wallboard to be installed within this time frame. If a HYDRO-BLOK Shower Curb is to be installed, first install the Wallboard as the curb must be installed between Wallboard.
5. Apply a 1/2" bead of HYDRO-BLOK Joint Sealant along the entire length of the Drain body at the subfloor and another bead near the top edge (fig. 15). Apply modified thinset (minimum 3/8" trowel) to the entire subfloor (DO NOT apply thinset within 1" of the Drain body/Joint sealant). Trowel marks should be straight and running perpendicular to the Drain Body to allow air to escape when setting the Shower Pan into place (fig. 16).
6. Place the lower front edge of the Shower Pan onto the subfloor at the Drain between the Joint Sealant and the thinset. Slowly lower the back of the Shower Pan into place while applying pressure in the direction of the Drain Body and compress the parts together. A bead of Joint Sealant should squeeze out between the Shower Pan and Drain Body.
7. Carefully stand/walk on the Shower Pan to embed it into the thinset and make any necessary adjustments to center the Shower Pan in the opening. Use a level to check the slope. Wipe away any excess thinset in the perimeter Shower Pan channel or at the Shower Curb area with a sponge.
8. Use masking tape or duct tape to mask off the entire Drain Slot opening to prevent Joint Sealant from entering the Drain channel (fig. 17). Apply the tape so that from the Shower Pan side, it barely catches the surface on the backside of the slot and at both ends. It is necessary to leave as much of the flat top surface of the drain exposed in these locations to allow for Joint Sealant and Mesh Tape in the following steps. DO NOT tape over the exposed screws. They must be completely covered with Joint Sealant during the following installation steps for HYDRO-BLOK Wallboard.


Fig. 14


Fig. 15


Fig. 16



Fig. 17

Installing HYDRO-BLOK Wallboard

1. Apply a 1/2" continuous bead of Joint Sealant inside the perimeter channel created by the Shower Pan at the wall plate (fig. 18). Place the rear Wallboard into the channel and firmly compress the lower edge into the bead of Joint Sealant. Use a level and tape measure to ensure the board is properly seated to within 1/8" of the depth of the channel.
2. Fasten the Wallboard to the studs using HYDRO-BLOK Screws and Washers (fig. 19). Place the first Washers 12" up from the bottom of the Shower Pan, then every 12" vertically on minimum 16" stud centers (fig. 20). Drive the Screws/Washers in flush or just past flush to the surface of the Wallboard.

   NOTE: Any Screws/Washers that land on a seam with another Wallboard can span the boards, so only 1 is required at these locations (including intersections).
3. Use the HYDRO-BLOK corner putty knife to smooth out the excess Joint Sealant from the seam between the Pan and Wallboard. Any excess Sealant removed can be used to fully cover any Screws/Washers.

   NOTE: Continue installing the first row of Wallboard and then finish the Shower Pan to Wallboard connection (Steps X to X below).
4. Apply a ½" continuous bead of Joint Sealant in the Shower Pan channel on the side at the bottom plate and another bead running vertically on the end Wallboard so that when installing the side Wallboard it can be pressed firmly into the Shower Pan channel and against the rear Wallboard creating a bond and seal. Place the side Wallboard approximately 1" from the rear Wallboard and compress it into the shower pan channel and towards the rear Wallboard until seated. Use a level and tape measure ensure it is properly set into place.
5. Attach the Wallboard to the studs with Screws and Washers and tool the Shower Pan to Wallboard joint using the same method described in STEP 11. Continue this process until the first row of Wallboard is installed.
6. To finish the joint and seam connections between the Shower Pan and Wallboard, apply a final bead of ½" joint sealant on all joints (fig. 21) and seams and smooth out with the included putty knives. Use a HYDRO-BLOK corner putty knife for all 90 degree joints (fig. 22) and the standard putty knife for all flat seams. Ensure there is at least 1" of joint sealant on either side of any joint or seam. Excess sealant can be used to cover Screws/Washers.
7. Cut lengths of the supplied 2" mesh tape to cover all joints and seams between the Shower Pan, Drain Body, and Wallboard. Lengths should be cut to within approximately 3" of the corners. It is not required to install the mesh tape all the way to the corner, or up vertical joints or seams. When applying to the back side of the Linear Drain Body, install the mesh tape so that it laps down on top of the Drain but not onto the masking tape (fig. 23).
8. Press the mesh tape into the existing joint sealant working from the center out, smoothing any wrinkles flat. Apply another continuous ½" bead of joint sealant on top of the mesh tape and smooth out again with the putty knifes so that the mesh tape is fully covered. Use excess Joint Sealant from this process to cover Screws and Washers.
9. Remove the masking tape from the Drain slot before the Joint Sealant cures. Allow any excess Joint Sealant that entered the Drain Slot to cure, cleaning it out at a later time.



Fig. 18



Fig. 19

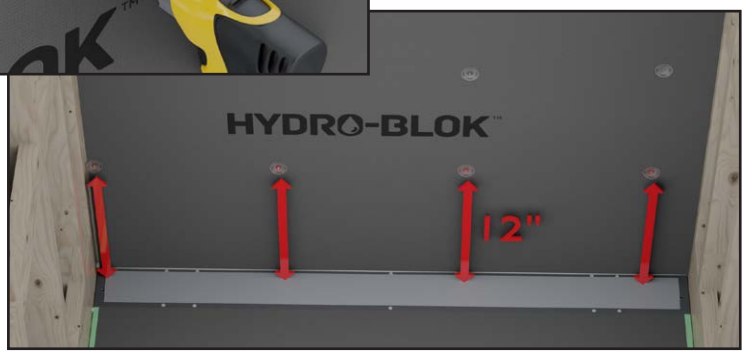


Fig. 20

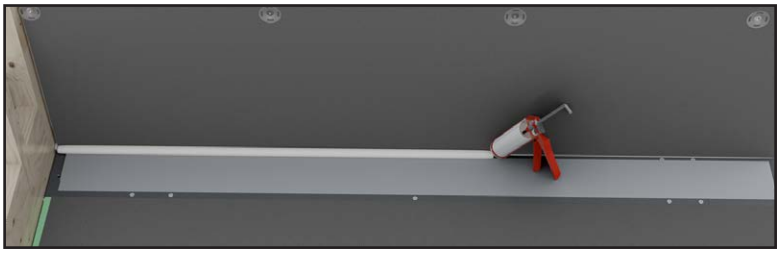


Fig. 21

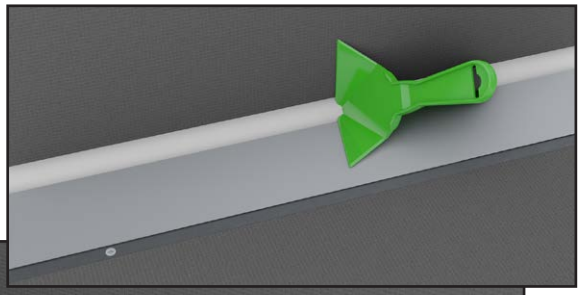


Fig. 22

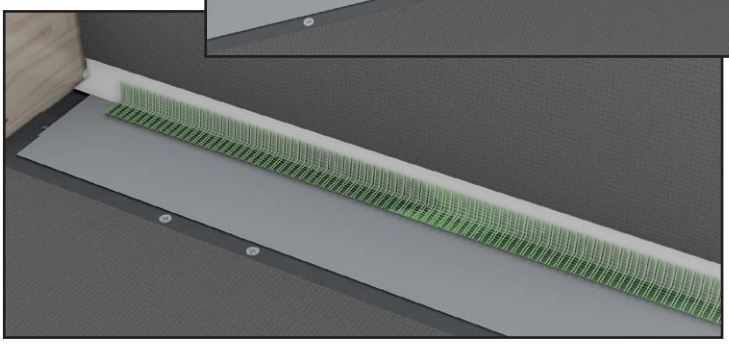


Fig. 23

Installing HYDRO-BLOK Wallboard (cont.)

10. When placing a new piece of Wallboard on top of an existing board, apply a ½" bead of joint sealant along the entire edge of the lower board. Press the new Wallboard firmly down into the Joint Sealant and hold it against the studs while installing a Washer and Screw (12" up from the seam close to the to center of the board) to provide initial support (fig. 24). If the upper Wallboard is connecting to another previously installed Wallboard at the corner, first apply a ½" continuous bead of Joint Sealant to the existing board vertically at the corner as well and press the Wallboard being installed into the bottom and side beads of sealant at the same time.
11. Install Washers and Screws along the seam at the stud locations and at 12" vertical intervals to secure the board to the studs. Use a HYDRO-BLOK standard putty knife to smooth out excess Joint Sealant along the seam, using it to cover the seam as well as the Screws and Washers. Ensure all seams have a minimum of 1" of Joint Sealant on each side of the seam. Apply additional Joint Sealant as necessary
12. To finish the joint and seam connections, apply a final bead of ½" joint sealant on all joints and seams including the seam between the pan and drain body, covering all screws. (fig. 25). Use a HYDRO-BLOK corner putty knife for all 90 degree joints and the standard putty knife for all flat seams. Ensure there is at least 1" of joint sealant on either side of any joint or seam. Excess sealant can be used to cover any Screws/Washers still exposed.
13. Perform a final check of all joints and screws/washers to ensure they are completely covered in joint sealant.

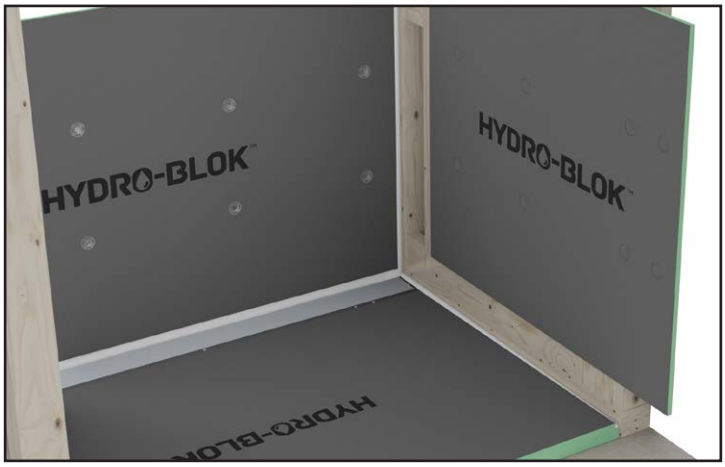
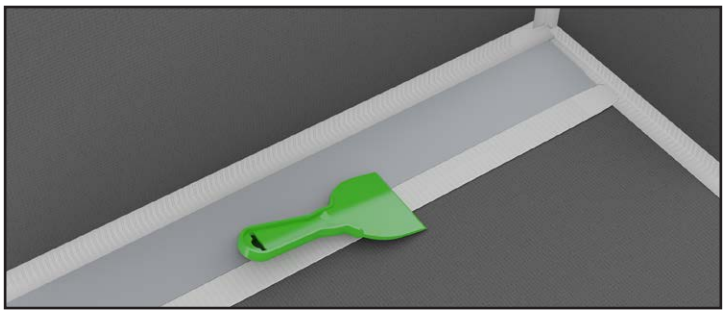


Fig. 24


Fig. 25

Installing a HYDRO-BLOK Shower Curb

1. If a HYDRO-BLOK Shower Curb is to be installed, measure the opening between the Wallboard faces and cut the Shower Curb 1/8" less. The Shower Curb may be cut with a wet saw, chop saw, circular saw, or hand saw. Ensure that all cuts are square and neat.
2. Apply modified thinset to the floor where the Shower Curb sits (minimum 3/8" trowel), keeping it ½" away from the foam edge of the Pan (fig. 26). Using the flat side of the trowel, coat the exposed foam on the bottom of the Shower Curb with thinset.
3. Apply a ½" continuous bead of Joint Sealant to the Shower Pan notch and on the lower vertical Shower Pan perimeter surface.
4. Apply a generous amount of Joint Sealant to the Wallboard where the Curb will be located and each end of the Curb (fig. 27).
5. Fully compress the Shower Curb into it's seated position an angle to avoid mixing the thinset and Joint Sealant. Once placed, use a level or square to put a slight angle to allow water to easily drain to the inside of the shower.
6. Use the HYDRO-BLOK corner putty knife to smooth out the excess Joint Sealant from the seam between the Shower Pan and Curb and install 2" mesh tape as described previously. Place an additional small piece of mesh tape at the top of Shower Curb to Wallboard joint. Any excess Sealant can be spread to cover any Screws/Washers remaining uncovered (fig. 28).

   HYDRO-BLOK Joint Sealant will cure under water so the shower area may be immediately filled for flood testing. After approximately one hour at room temperature the Joint Sealant will skin over and thinset can safely be applied.

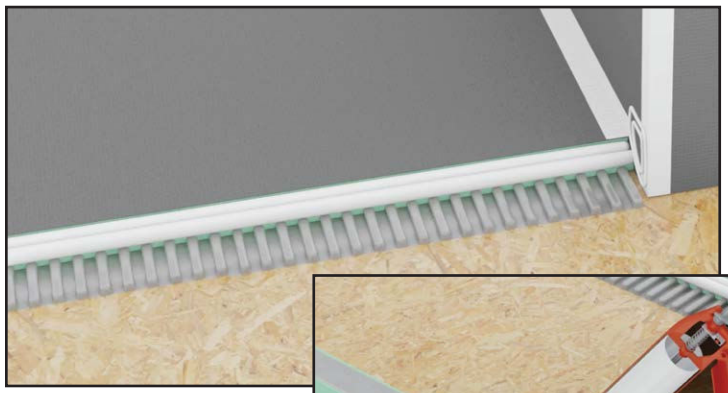
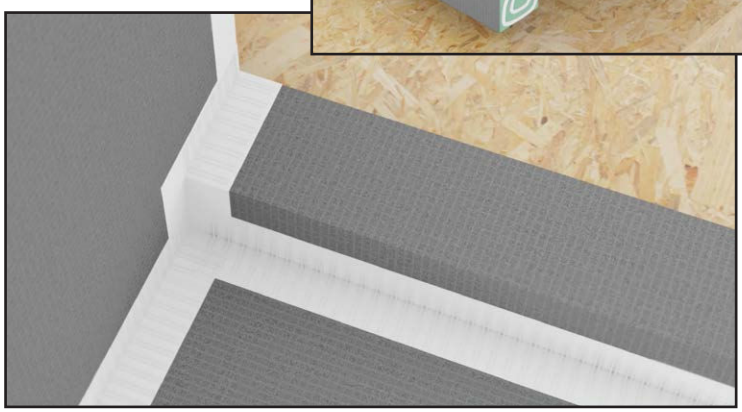

Fig. 26


Fig. 27


Fig. 28

APPENDIX A - REMANUFACTURING THE FACTORY SINGLE SLOPE NOTCHES

1. Using a circular saw with a standard wood blade, set the blade depth to 1/8" and make a cut through the cement surface on the top of the Shower Pan ½" in from the new edge.
2. Use a circular saw or utility knife and a straight edge/guide to make a ½" deep cut through the foam on the edge of the Shower Pan, 1" up from the bottom of the Pan.
3. Use a utility knife to continue cutting the depth through the saw kerf on the slope of the Shower Pan to meet the cut made on the edge of the pan to complete the notch.

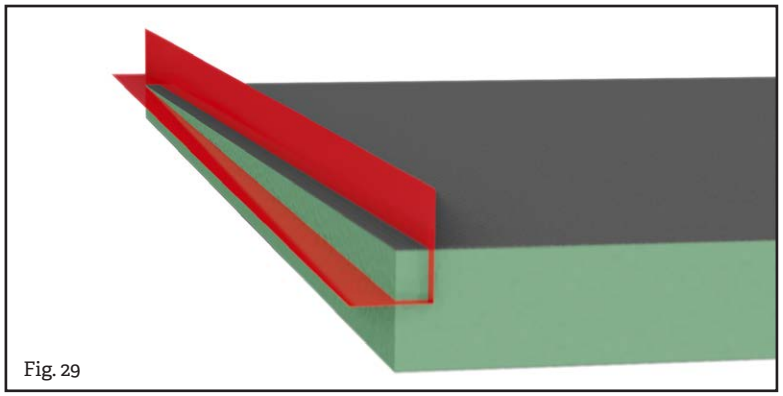


Fig. 29

APPENDIX B - INSTALLING THE ACCESS TRAY COVER

1. The Linear Drain Access Cover consists of 2 pieces, the Access Trim and the Access Tray. The Access Trim will be permanently bonded to the Drain body using the supplied tube of fast set glue or HYDRO-BLOK Joint Sealant. The Access Tray does not get bonded to the Access Trim as it needs to be removable to service the drain. Once the Access Cover assembly is properly installed, it can be removed by using a flat screwdriver or similar tool to push down on that black tab that is visible in the drain slot.
2. Insert the Gap Sticks included with your drain kit. The Gap Sticks aid the tile installation allowing you to complete the process including grout, while maintaining the proper gap width and keeping the slot free of debris when removed. Cut the Gap Sticks to length to fill the entire Drain slot. Use the supplied tube of ebbe wax to coat both sides of the Gap Sticks and insert them into the Drain slot. Continue your tile installation. NOTE: The Drain slot after tiling should not be narrower than the Gap Sticks in order to allow for proper drainage.
3. Cut the tile tight to the Access Trim during installation. Use the supplied template to adhere to the tile for a precise cut location/fit.
4. Cut a piece of tile for the Access Cover. Insert and adhere the tile into the Access Tray with Joint Sealant or thinset. Use the supplied template to adhere to the tile for a precise cut location.

   NOTE: DO NOT grout the Access Trim and Access Tray together.

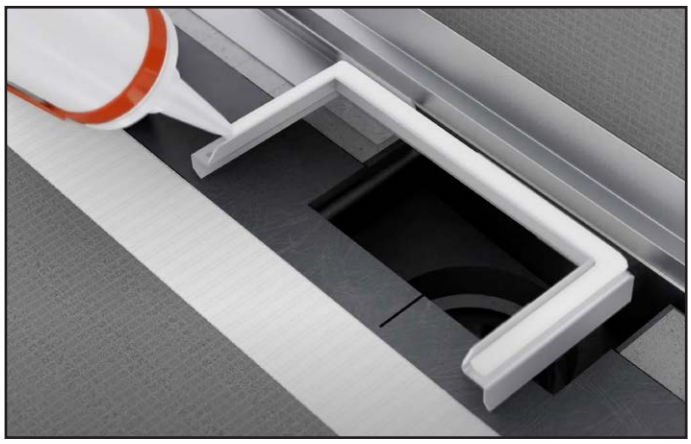


Fig. 30

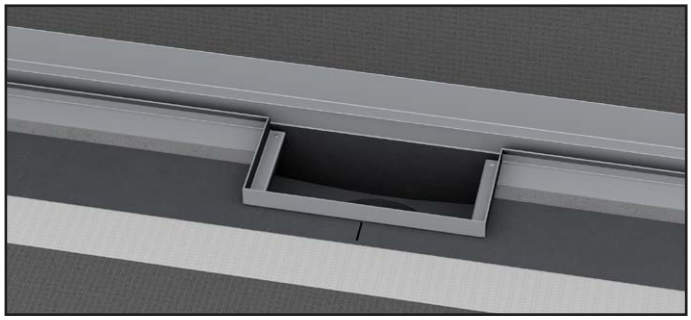


Fig. 31

APPENDIX C - INSTALLATION REQUIREMENTS FOR MOSAIC TILE ON THE PAN

When installing tile or stone that is smaller than 2"x2", a high performance grout with a minimum 3500 PSI compressive strength and meeting ANSI 118.7 or epoxy grout 118.3 must be used to comply with the HYDRO-BLOK warranty. These products are commonly used and readily available.

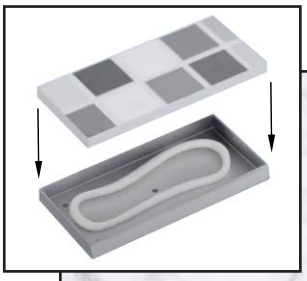


Fig. 32

Fig. 33

HYDRO-BLOK™

The BETTER Shower System

ebbe AMERICA

SUBFLOOR LOWERING KIT



Quickly lower your subfloor for a low profile, curbless ADA, or barrier free shower

- One kit recesses up to 24 sq ft
- Perfect for I-Joists or dimensional lumber because brackets attach to the top chord of joists and studs at parallel walls
- Wall brackets can be modified for different situations
- Achieves L/360 or better deflection rating with a live load of 40 PSF and dead load of 20 PSF

Subfloor Lowering Kit Includes:

- 15 Joist Brackets
- 6 Wall Brackets
- 81 Wood Screws
- 36 Joist Hanger Nails

Max Bracket Spacing 36" OC

2x4's, subflooring & subfloor adhesive not included



Visit our YouTube Channel for installation videos

youtube.com/hydroblok

HYDROBLOK U.S.A. LLC
Suite 110 6029 238th St. SE
Woodinville, WA
USA 98072

TEL 425 286 6840
FAX 425 286 6854
sales@hydroblokusa.com

www.hydroblok.com

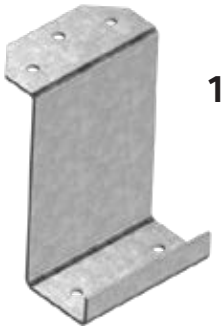
HYDRO-BLOK™

The BETTER Shower System

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E116 ¾" FLOOR RECESS KIT

Covers approx. 24 sq ft



15 JOIST BRACKETS



Install with Included
1-5/8" Wood Screws



6 WALL BRACKETS



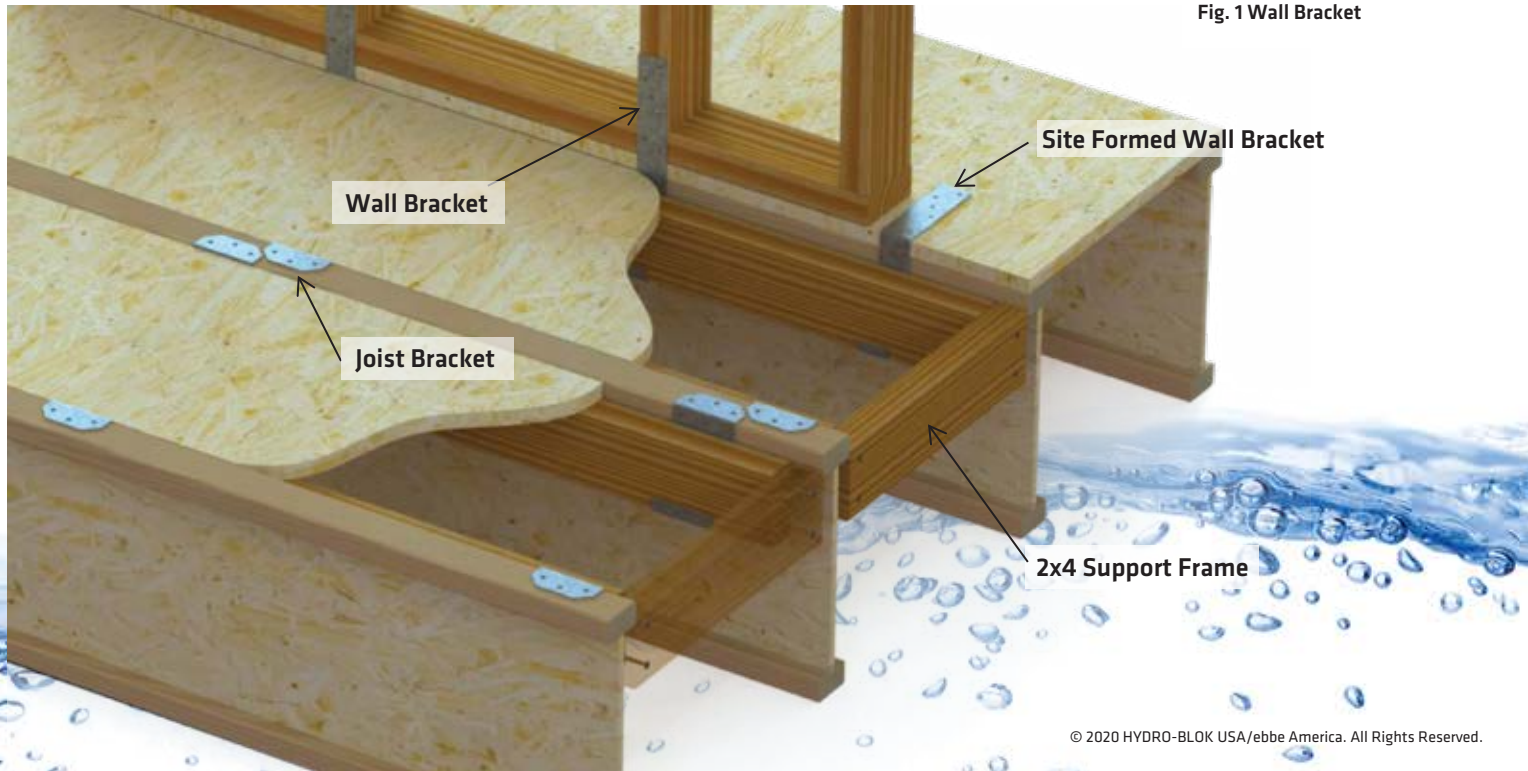
Install with Included
1-1/2" Wood Screws

INSTALLATION

1. Remove subfloor to walls and joists as needed. Sub-floor should not overhang the joist bay or be left unsupported.
2. Install joist and wall brackets. Brackets should be spaced a maximum of 36" on center to achieve L/360 with a live load of 40PSF and a dead load of 20PSF. Structural grade #2 or better douglas fir, larch or pine.
   a. Use screws to attach joist brackets and joist hanger nails to attach wall brackets
   b. Wall brackets can be bent onsite if needed (nail to subfloor or bottom plate then use hammer to bend the bracket down). Notches on wall bracket represent top and bottom of subfloor (see fig. 1).
3. Create 2x4 frame as shown and place frame into hangers. Best practice recommends subfloor adhesive and screws at hanger seats.
4. Install subfloor to 2x4 frame with adhesive and screws.



Fig. 1 Wall Bracket



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Product Description

Product numbers -HBUCPLM18 and HBUCPLM14 are high performance, lightweight uncoupling membranes that provide a vapor barrier and waterproofing with the addedbenefit crack isolation. It is designed to be installed as an underlayment for ceramic andporcelain tile and natural stone for both residential and commercial applications. Hydro-Blok uncoupling membrane is designed be installed over ¾ (19mm) Plywood/OSB, with adeflection not greater than L/360 (per TCNA guidelines) as well as over concrete substrates. Hydro-Blok uncoupling membrane will absorb horizontal movement up to 1/8" greatly reducing potential cracking to grout and/or tiles.

Benefits of Hydro-Blok uncoupling membrane

- Easy to cut with a razor knife.
- Fleece backing to ensure a quality bond.
- Our design allows easy filling of the membrane.
- Reduced roll memory.
- Lightweight for easy transportation.
- Waterproof.
- Provides a vapor barrier.

Industry Standards and approvals

- Exceeds Ansi: a118.10 for waterproofing membrane for thin-set ceramic tile.
- Exceeds Ansi: a118.12 section 5.13-Achieves bond strength of 50 psi(0.34 MPa)or greater in 7 days.
- Passes Ansi: A118.12 section5.2.3- Passes Point load resistance after 28-day cure.
- Passes ASTM D4551-12 Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Flexible Concealed Water-Containment Membrane (Anti Fungal)

Uses

- Residential homes, apartments, and condominiums.
- Commercial buildings such as office buildings, restaurants, hotels, and malls.



Substrate Requirements

- All suitable substrates should be structurally sound, stable, dry, clean, and free of any substance that might prevent proper adhesion.
- Mechanical methods only for prepping concrete (grinders etc.) No chemical etching.
- The substrate must be of an ambient temperature between 50 and 100 degrees Fahrenheit before and 72 hours after the installation.
- Approved exterior plywood subflooring.
- Cement mortar beds.
- Self-leveling.
- L360 minimum deflection rating per TCNA

Limitations

- Do not install over a substrate with a crack over 1/8(3mm) out of plane. Note: HYDRO-BLOK uncoupling membranes do not protect against vertical substrate movement.
- Do not use when hydrostatic pressure exists.
- Do not install using premixed products such as mastic.
- Do not install over substrates containing asbestos, wood stripping, pressboard, oil treated boards, self-stick tile, metal, or epoxy floor, and Sheet Vinyl
- Do not install tile or stone smaller than 2x2 without prefilling the membrane and allowing to cure for 24 hrs.
- Use Hydro-Blok sealant at seams to maintain waterproofing.
- Do not install self-leveling over the top of membrane. If the floor needs to be leveled it must be done prior.

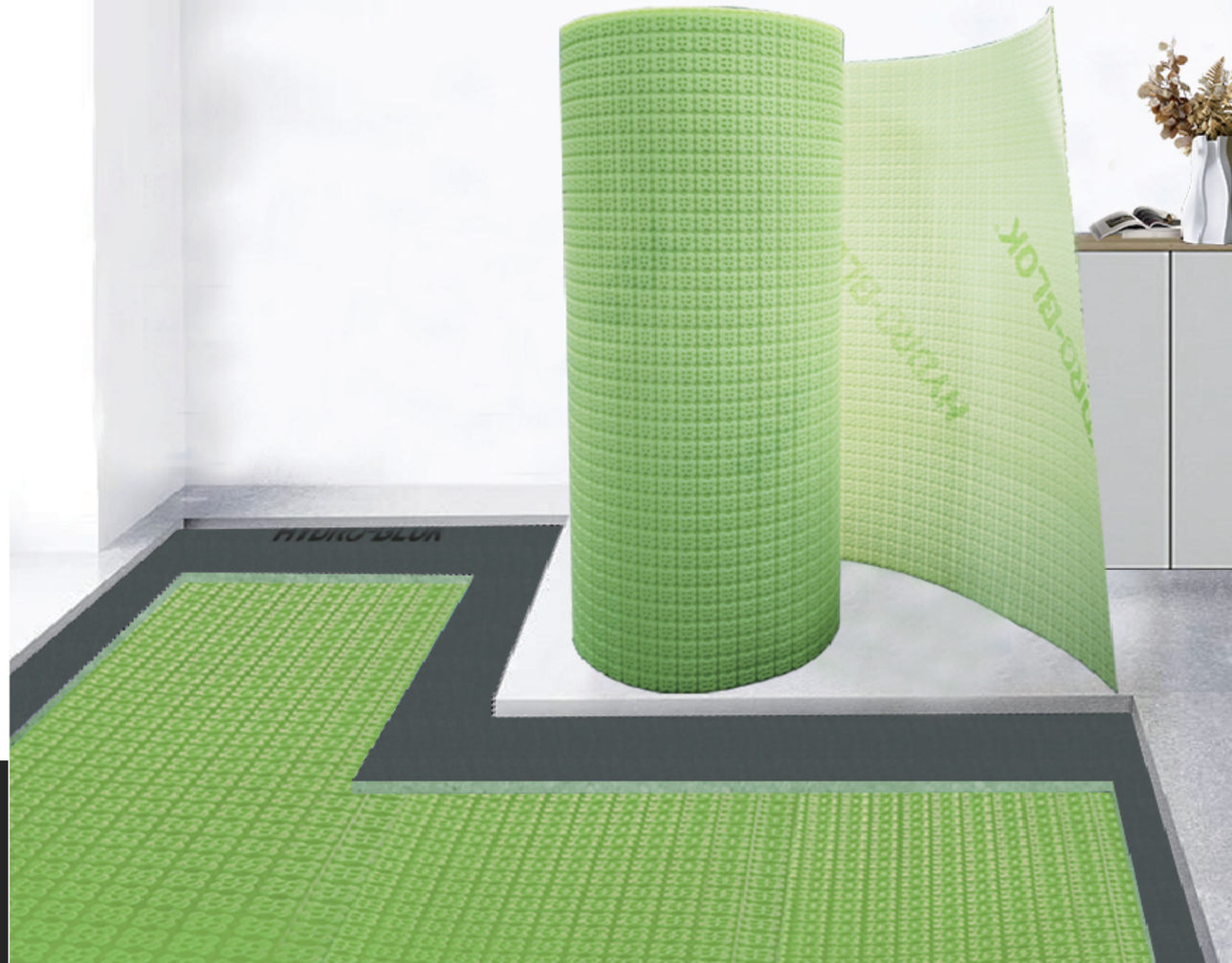
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UNCOUPLING MEMBRANES

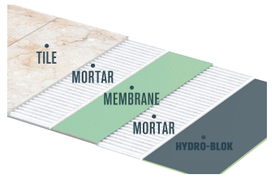




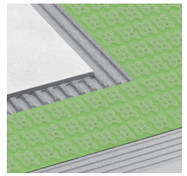
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The BETTER Shower System

EASIER
QUICKER
BETTER
SHOWER SYSTEMS

Uncoupling Membrane Installation Guide









Materials and Tools

- Hydroblok Uncoupling Membrane
- Modified Mortar
- Notched trowel
- Utility knife
- Measuring tape
- Straightedge
- Rubber mallet

1 Prepare the Substrate:

Ensure that the substrate (floor or wall surface) is clean, dry, and free of debris.

Repair any cracks or imperfections in the substrate. Level the floor if necessary.

2 Measure and Cut:

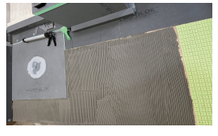
Measure the area where you will be installing the Hydro-Blok Uncoupling Membrane.

Cut the membrane to the required size using a utility knife. Use a utility knife to cut openings for drains, corners, and other obstacles. Ensure a tight fit around these areas.

3 Apply Thin-Set Mortar:

Using a mortar that meets a minimum of A NSI: A118.12. Mix the thin-set mortar according to the manufacturer's instructions. Using a wet sponge wipe down the area and add mortar.

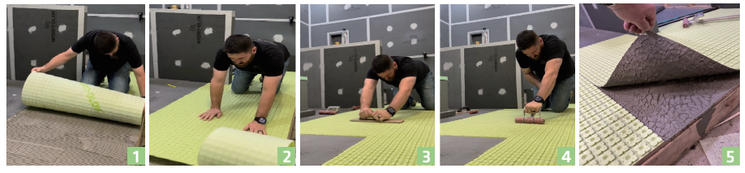
Using a1/4x1/4 square notched trowel, apply an even layer of mortar to the substrate combing in the notches one direction.



4 Install the Uncoupling Membrane:

Press the Hydro-Blok Uncoupling Membrane into the thin-set mortar.

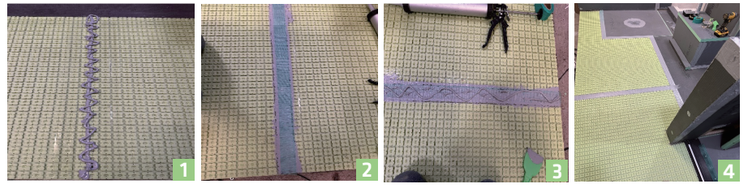
Use a Wood Float, Weighted Roller, or a similar tool to flatten the membrane and remove any air pockets or wrinkles. Periodically lift the corner of the membrane for inspection ensuring 100% coverage for a solid bond.



5 Seam Joints:

When connecting one or more pieces of membrane together seams will need to be sealed with HYDRO-BLOK Sealant. Butt membrane edges together ensuring that the butt joints do not contain cut pillows (flat edges only). Clean off any excess mortar that is squeezed out between the seams.Apply a generous bead of Joint Sealant to the seam between the membranes to ensure 1" of coverage on each side of the seam and flush to the top of the pillows on the membrane. Tool the sealant flat with a putty knife or flat trowel).

Allow a minimum of 1 hour to dry prior to filling the membrane with mortar or tile installation.



6 Install Tiles:

Once the uncoupling membrane is in place you can then install tiles directly on top of the membrane using an appropriate mortar. Start by using the flat side of the trowel to fill all voids between pillows. Use the notch side of trowel to apply mortar in one direction then reverse, ensuring you fill in all the spaces on the membrane. When using tiles smaller than 2x2 allow the mortar to set overnight before installing tile.

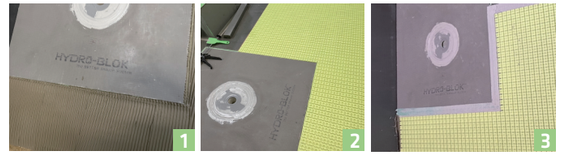
7 Grout Joints:

After the tiles are set, allow the installation to cure according to the mortar manufacturer's instructions. Grout the joints between the tiles using a suitable grout.

Barrier Free Application

When using Hydro-Blok Uncoupling membrane (HBUCPLM14) with a Hydro-Blok LOW-PROFILE shower pan for a Barrier free shower, please follow these steps.

1. Using a 1/4x1/4 square notch trowel, apply an Ansi: a118.12 mortar from the edge of notch of the pan and on the subfloor where the uncoupling will be applied.
2. Apply a 3/8" bead of HYDRO-BLOK Joint Sealant into notch on the pan.
3. Lay uncoupling membrane into the pan notch creating the ½" overlap onto the pan
4. Clean any excess mortar that squeezes through the seam.
5. Apply a generous bead of Joint Sealant to the seam between the membrane and pan to ensure 1" of coverage on each side of the seam and flush to the top of the pillows on the membrane. Tool the sealant flat with a putty knife or flat trowel. Cut 2" mesh tape to within 3" of the ends and press the mesh tape into the existing Joint Sealant working from the center out, smoothing any wrinkles. Apply another continuous ½" bead of joint sealant on top of the mesh tape smooth with the putty knife to fully cover the mesh tape.
6. Set mesh tape into the sealant tooling it flat to embed into the sealant.
7. Apply anther bead of sealant to the top and spread flat to flush out to the top of the membrane and pan.
8. Allow a minimum of 1 hour to dry prior to tile installation.



Due to capillary action of water through the thinset layer between the shower pan and tile, it is necessary to waterproof the floor out a minimum of 4', and up the walls at least 2" to protect the area immediately outside the shower. This minimum does not supersede any building code requirements so please check with your local jurisdiction before proceeding with installation.

In order for the pan and membrane to complete a flush transition prior to tiling, the HYDRO-BLOK LOW PROFILE PAN must be recessed by 3/4" so that the membrane can be placed into the 1/4"x 1/2" notch in the pan flushing out with the top side of the pan.

Waterproof the membrane to the wall

When connecting uncoupling membrane to walls to create a waterproof barrier, HYDRO-BLOK wallboard must be used at least 6" up the wall.

1.Install the membrane to the subfloor per instructions above, and to within 1/8" of the adjacent wall material.

2.Apply a generous bead of Joint Sealant to the transition between the membrane and the wall to ensure 1" of coverage on the membrane and flush to the top of the pillows, then 2" up the walls.

3.Tool the sealant flat with a corner putty knife or flat trowel. Cut 2" mesh tape to within 3" of the ends and press the mesh tape into the existing Joint Sealant so that there is 1" of coverage on the membrane and 1" up the wall.

4.Use the corner putty knife or flat trowel and working from the center out, smoothing any wrinkles. Apply another continuous ½" bead of joint sealant on top of the mesh tape smooth with the putty knife or trowel to fully cover the mesh tape.