



THE SHOWER PAN STORE

A DIVISION OF INNOVATIVE TILE SOLUTIONS, INC.

Installation Instructions for ITS 501-H Shower Pan

To help guide through the shower pan installation process, we have provided the following Installation Guide, which is intended to provide an easy to follow step-by-step process for the installation of your shower pan, whether you are an experienced professional installer or a first time novice. **Please go to our website: www.showerpanstore.com to watch the installation video. Call 601-544-2057 with any questions.**

1. Cut a hole in the sub floor 6-5/8" in diameter. The easiest way to do this is to take the bolt in section of the drain out and set the drain over the pipe upside down, centered up on the drain pipe and mark around the outside edge. Then put the bolt in section back in the drain base.
2. Drill a starter hole so you can cut around the line with a jig saw.
3. After the hole is cut, cut the drain pipe 1-7/8" to 2" below the subfloor and install the furnished drain with the industry recommended adhesive. It should go down far enough so the three tabs on the drain fit flat on the subfloor. Next screw the drain to the sub floor. (If you are installing on a concrete slab, the bottom of the tabs should be flush with the floor slab, after the drain is set, the tub box around the drain should be filled with concrete.)
4. Remove the adjustable tail piece from the drain body; the bolt in portion stays in place.
5. Sweep and clean any debris from the shower stall floor space.
6. Test fit the shower pan to ensure a proper fit of both the pan and drain location. Remove the pan after test fitting is complete.
7. Optional: place two (2) 3/4" x 3/4" or 1-1/2 x 1-1/2 boards on the floor so you can slide the pan into place without making contact with the thin-set. This makes it easier to get some pans into place.
8. Apply thin-set using a 1/2" square notch trowel to the slab or sub floor, making sure to apply the thin-set all the way to the edge of the 3-piece drain. It is not necessary under the wooden slides. (It is very important that the bottom of the pan makes good contact with the thin-set except where the slide sticks are.)
9. Apply a 1/2" bead of caulk polyurethane or 100% silicone to the rim of the main piece of the 3-piece drain then a liberal bead in the groove in the bottom of the pan around the drain hole.
10. Carefully lay the shower pan into place and remove the wooden slides if used. Once in place, apply pressure or wiggle the pan a little to make sure the thin-set spreads out evenly under the pan so the pan makes proper contact with the thin-set and caulking on the drain. Using a level, make certain the shower pan is level on all sides to ensure proper water drainage. If the pan is not level, put more pressure on the high side and wiggle a little more. This should do the trick.
11. To install the adjustable tail piece portion of the drain, remove the drain grate so the screw tabs can be used to tighten the drain with your fingers. Apply a liberal bead of caulk around the opening for the drain and then insert the adjustable drain piece. Hand tighten the drain piece to the rest of the drain. Make sure the top of the drain is below the four drain channels so the water will drain properly. Remove the excess caulk around the edge of the drain.



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12. You are now ready to hang backer board in the shower. Before securing the backer board to the studs, apply a bead of caulk to the top edge of the shower pan splash walls and allow the backer board to rest on the top edge of the shower pan then fasten to manufacturer's recommendations. Once completed, you should water proof all seams and walls within the shower space as you normally would.

13. You are now ready to begin laying tile. (Only rapid set thin-set or epoxy should be used to lay tile on the pan.) First cut the drain cover plate to size to match your center tile. If your tile is larger than the plate, let it hang over the edges equally. Then lay the tile on the drain cover plate and place it centered in the drain section making sure it is parallel with the side of the pan your tile will run parallel to. Next lay the tile on the floor, keeping the joints between the tiles on the cover plate the same as all the other joints. After the floor is laid, it is recommended to remove the drain cover and grout the floor and cover separately. Epoxy grout is recommended. When the floor is grouted, grout should be placed under the overhanging tile to support the grout in the joints. If the center section of tile is slightly larger than the drain cover, grout under the edge of the tile to the cover at an angle to support the grout joints.

14. To level and hold the drain cover in place, there are three index points on the bottom of the cover. When all of the tile is laid and grouted, put thin-set on all four flat surfaces in the drain section. Then fill the three index points on the cover with thin set. Place the cover back in the drain section while centering it, so you have the same margin all the way around the cover. This margin should be the same size as the grout joints. This serves as your drain channel.

15. The bottom of the cover has a release agent so it can be removed without damaging the thin-set. As a result, the cover can be removed and will only fit back into place in the exact location from which it came. The floor is now finished.

- Only rapid set thin-set or epoxy should be used to lay tile on the pan.
- Helpful tip to make it easier to remove the drain cover for the first time is to put a string, thin strap or a run of duct tape under the plate in the channels and let it stick up so you are able to pick up the plate.
- It is very important that the bottom of the pan makes good contact with the thin-set below.