

Made For Tile Installation Guide

We hope these instructions will make the installation of our pans as seamless as possible. If you do need additional guidance feel free to contact us directly through the [Contact Us](#) tab on our website or email us at contact@madefortile.com. We are always happy to help.

Materials Needed (Not included):

- 2x4
 - Cement Board
 - Metal to concrete adhesive (for cement board)
 - Sealant (plumber's putty)
 - Vapor Barrier (we recommend 15lb. felt paper)
 - Wallboard
 - Any standard thin-set (for tiling)
 - Concrete
 - Level
 - Hammer & Nails
 - Stapler
 - Safety Gloves (optional)
- Our pans are designed thin to fit as tight as possible within the space. This makes the edges sharp. Handle with caution.

Amount of Concrete Needed Based on Size of Pan			
Size	Concrete BASE Layer	Concrete TOP Layer	Number of Bags Needed
36"D x 48"W and UNDER	80 lb. Bag of Gravel Mix	80 lb. Bag of Portland Sand Mix	(1) Bag of EACH Type
36"D x 48"W and OVER			(2) Bags of GRAVEL MIX & (1) Bag of PORTLAND SAND MIX

These estimations are approximate but should be more than sufficient. Remember, it is better to have more concrete on hand than having to halt the project.

Installation Steps

Disclaimer: Pan & Curb edges are sharp. Please handle with caution.

Special Note: **NEVER** nail below the curb line. Nailing below the curb line will compromise the pan.

1. Place drain in set position.
2. Place pan in the space. **DO NOT** nail down the pan.
3. Mark drain location by **LIGHTLY** tapping down on the pan to make shallow impression of the drain bolts that lie underneath the pan. The result will be a 4-5/8-inch circle of indentations. Draw a circle with marker to connect the marks (make sure to draw the circle on the **OUTSIDE** of the bolt impressions).
4. Remove the pan and cut the hole for the drain.
5. Place vapor barrier (our recommendation is 15lb. felt paper) across the floor and staple down. ***DO NOT** staple down the area of vapor barrier that will fold over the curb that you will secure down in Step 9. The vapor barrier needs to be **BETWEEN** the pan and the curb. Cut a hole for the drain space.
6. Cut and staple additional pieces of vapor barrier to each wall (staple to 2x4 studs). **Tip:** the higher you place the vapor barrier up the wall, the more secure (water tight) it will be.
7. Use sealant (plumber's putty) around the drain ring and loosen the bolts. Place the pan back in the space.
8. Assemble the drain ring and finish by bolting down. Install screw piece of drain. Leave approximately **1 1/4"** of space between the floor of the pan and the top of the drain.
9. Before securing the 2x4 curb make sure the vapor barrier is between the pan and the curb. Level the curb and secure it to the floor. Fold the vapor barrier over the curb and staple down.
10. Cut and place secondary vapor barrier (15 lb. felt paper) across the floor of the pan. Cut hole for drain space. Cut additional pieces of vapor barrier and affix to 2x4 studs of each wall (do not staple below the pan line).

11. Cut a piece of cement board to size and place against the inside of the 2x4 curb. Place L-piece of curb flashing over the curb so that it secures the interior wall board in place. **Note:** short side of the L-piece lays against interior wall board.

12. Nail down the L-piece flashing to the top of the curb.

13. Cut a piece of cement board to size and place against the outside of the 2x4 curb. Secure (nail) the front wallboard piece.

14. Secure (nail) left and right curb flashing pieces.

15. Measure and cut top piece of cement board for the curb. Fasten (nail) down to the top of curb.

[Learn how to easily create a custom curb with separate instructions that can be found on our website.]

Reasons to build a custom curb:

- To avoid cutting your tile down to fit the width of the standard curb, you can simply widen the width of your curb to perfectly fit your tile.
- Have an uneven floor? You can level the curb against an uneven floor using shims.

16. Measure and cut wallboard and nail in place to the inside wall 2x4s. **Remember: DO NOT** nail below the curb line.

17. Place level on top of the drain and extend it out to the corner of the pan. Mark the spot at the corner of the pan where the drain is level with the corner. Repeat this step for all corners. These marks represent the **TOP (FINISHED) LAYER** of concrete.

- Draw a line **½” lower** than the “top layer marks” around the walls. The line will mark the **BASE LAYER (gravel mix) concrete height** and will be your guideline when pouring the concrete.

POURING THE BASE LAYER OF CONCRETE

Tape the drain to protect it before pouring concrete.

18. Pour base layer of concrete (gravel mix) to approximately your base line (approximately ½” lower than the finished layer height). Let the base layer set until stiff.

Make sure to turn the screw piece of the drain back and forth during the drying process. You want to keep the drain adjustable (not sealed by concrete) until you have determined what the pitch will be when adding the top (finished) layer of concrete.

POURING THE TOP LAYER OF CONCRETE

19. Use setting blocks to create a slope. Make sure the top of the drain is level with the top of the setting blocks.

*When creating your pitch remember to compensate for the thickness of your tile before pouring the top layer of concrete. Tile should be **EQUAL** to or **SLIGHTLY** higher than the top of the drain. **1/8 of an inch** is an ideal pitch.

20. Mix a stiff batch of top layer concrete (use limited water). Make sure it is thoroughly mixed.

21. Finish by pouring top layer of concrete. Create the desired pitch. **Note:** Before pouring top layer of concrete, make sure the top of the drain is level from all directions. If it is not, use shims to level the drain before pouring.

- When close to finish, you can sprinkle a **SMALL AMOUNT** of water onto the surface to help create a smooth finish. Be careful not to add too much water.
- If you are having trouble with any lumps/swirls you can grind down the concrete with a stone sander or even the flat side of a brick to create a smooth surface.

Top layer of concrete will set in approximately 2 hours. After top layer sets, you can begin tiling with **any standard thin-set**.

RESULTS

BEFORE laying tile, all four corners of the pan should be level with the drain.

AFTER laying tile, all four corners will be pitched to the drain.