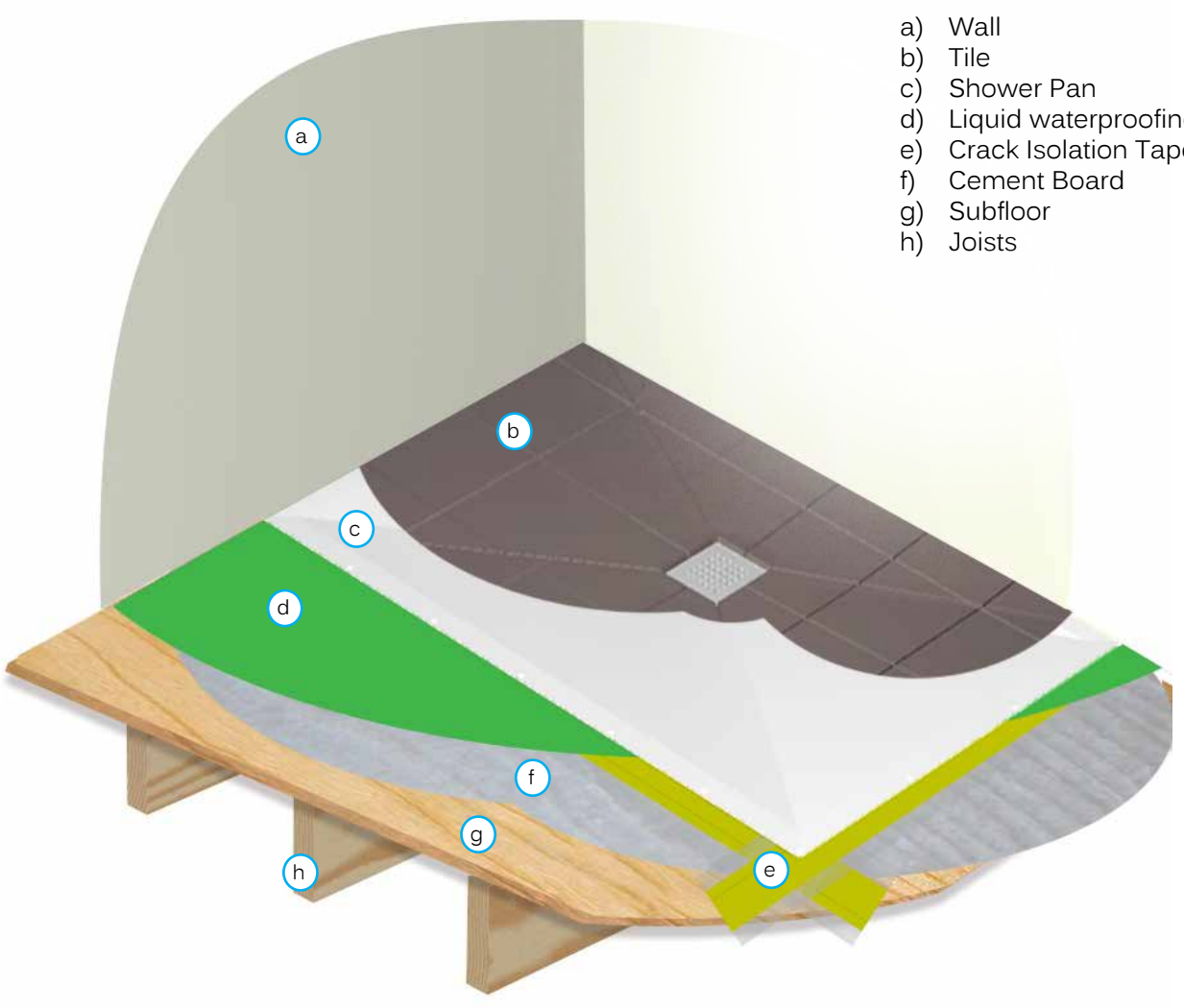
TRENDING ACCESSIBILITY



a) Wall
b) Tile
c) Shower Pan
d) Liquid waterproofing
e) Crack Isolation Tape
f) Cement Board
g) Subfloor
h) Joists

fusion shower pan on wood joists

installation guide

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815 Hylton Road - Suite # 4
Pennsauken, New Jersey 08110
Phone: 866-829-8335 - Fax: 866-422-1084

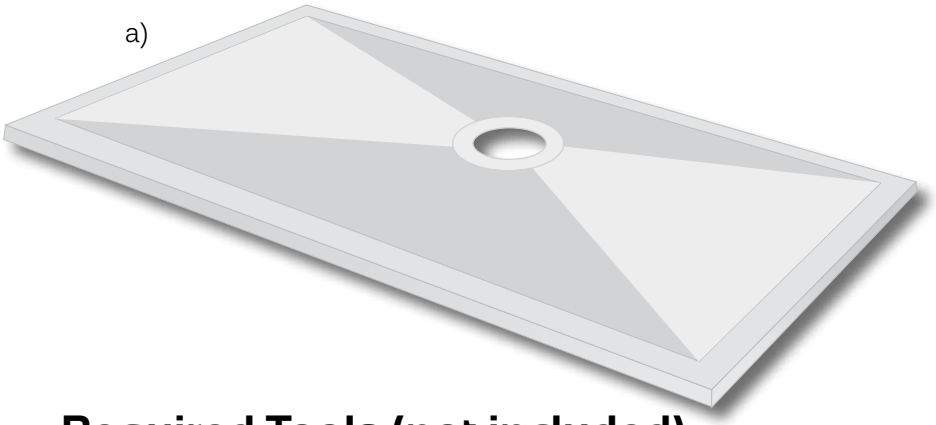
Installation Guide

for fusion shower pan on wood joists

Required Components (included)

a) Fusion Standard Shower Pan
b) Tile Drain
c) Liquid Waterproofing - 2 gallon bucket (covers approx. 100 sq ft with 2 coats)
d) Roll of Rubberized Crack Isolation Tape (100 ft)
e) 2 - Inside corners of Rubberized Crack Isolation Tape
f) Gasket Membrane
15 - 2 1/2" screws
4 - 3/4" screws

Note: If you have a larger room and need more waterproofing supplies, please contact us before completing your order.

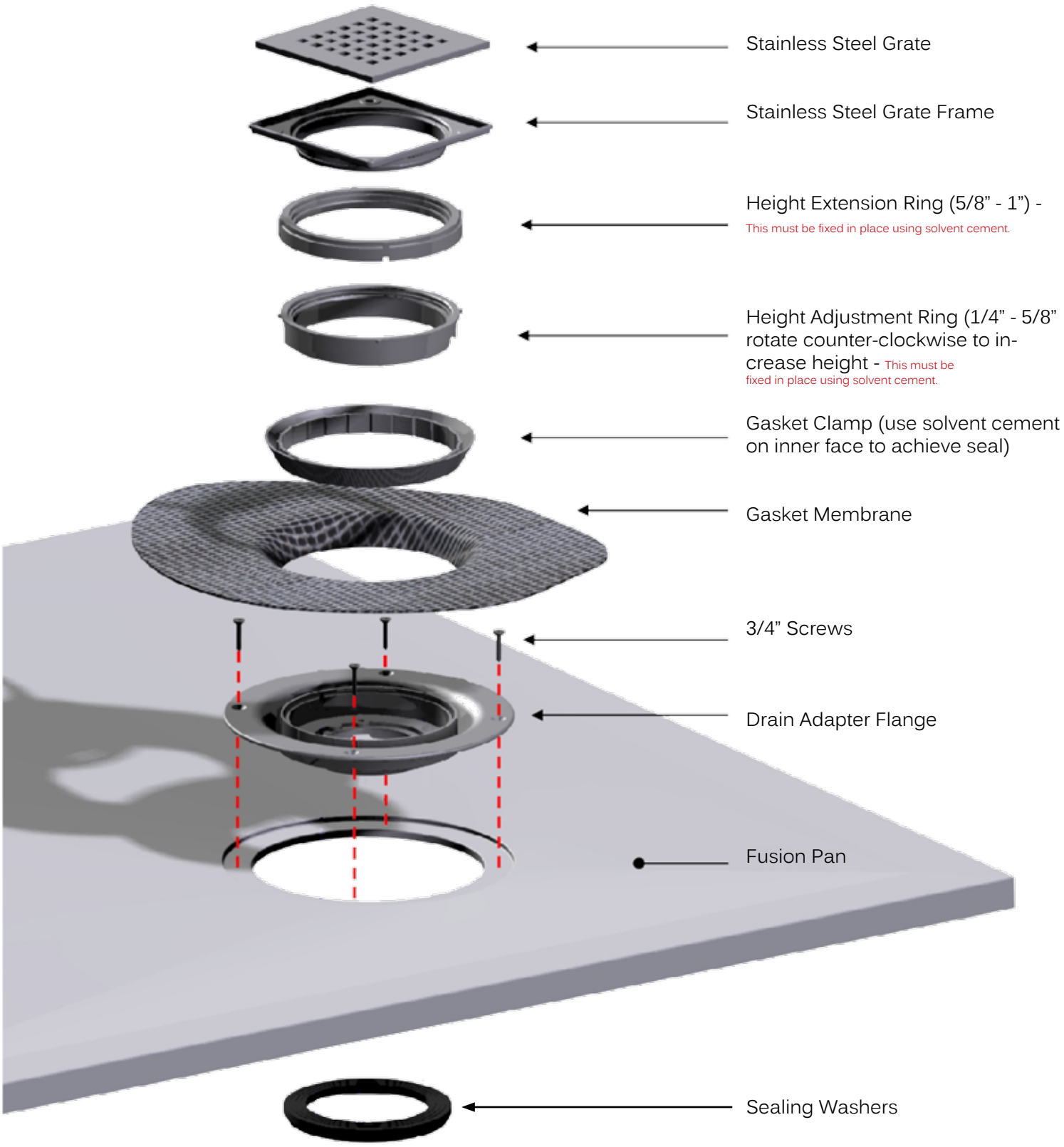


Required Tools (not included)

- Drill
- Circular Saw
- Reciprocating Saw
- Level
- Square
- Caulk Gun
- Hammer
- Utility Knife or Scissors
- Tape Measure
- Paint Rollers
- Paint Brush
- Solvent Cement & Primer
- Belt or Orbital Sander / Sandpaper
- Latex or Acrylic Caulk **(DAP Dynaflex 230)**
- Construction Adhesive
- Splash Goggles
- Chemically resistant or impermeable gloves

Installation Guide

for fusion shower pan on wood joists

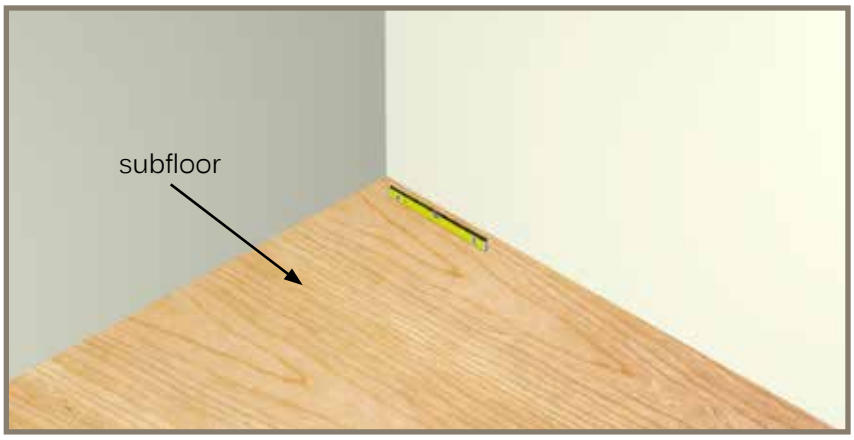


Installation Guide

for fusion shower pan on wood joists

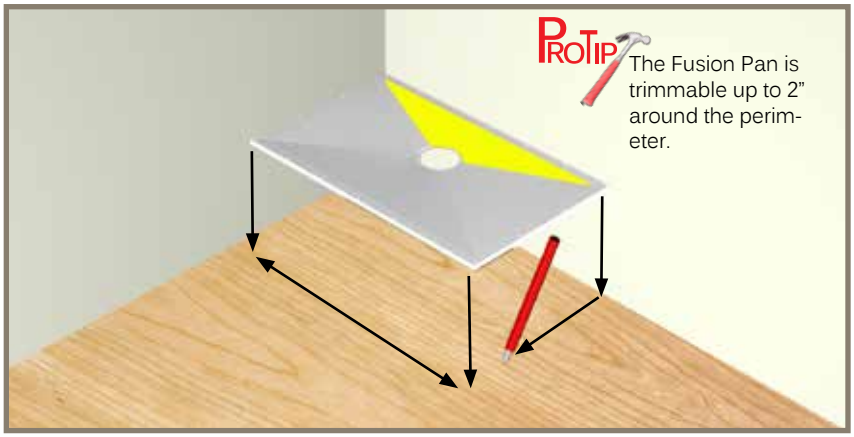
Step 1 > > > > > > > >

For optimal performance, it is imperative there is a level surface prior to installation of new Fusion pan. Check existing floor to make sure it is level. If it is not, please correct prior to installation.



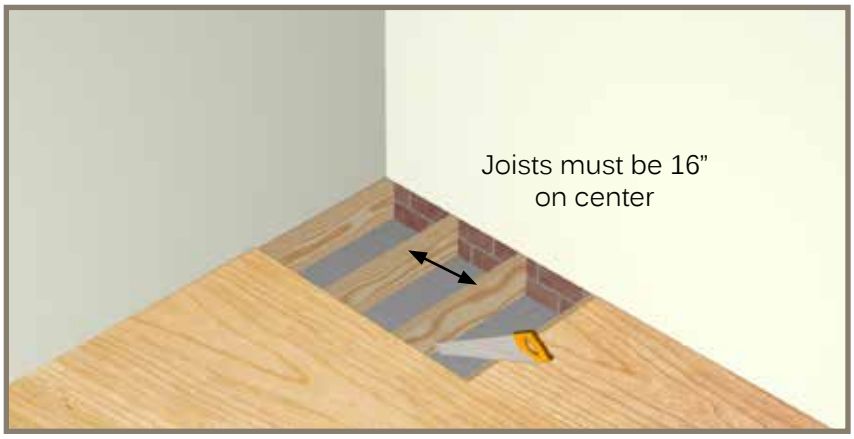
Step 2 > > > > > > > >

Place the Fusion pan in desired location and mark the edge of the pan on the subfloor.



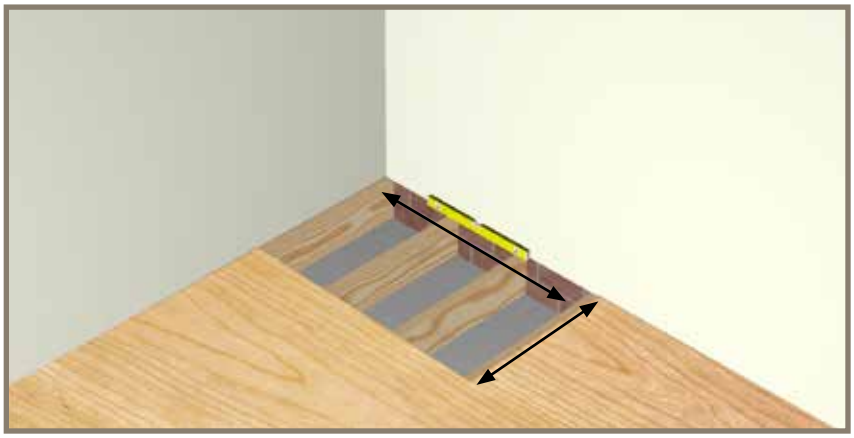
Step 3 > > > > > > > >

Carefully cut along your line as accurately as possible. Make sure to adjust the depth of your saw to the thickness of the subfloor as to not cut through the joists. Note: If possible, please check or mark location of existing plumbing and electrical to avoid damaging them.



Step 4 > > > > > > > >

Remove the cut section of subfloor to expose the joists.



Installation Guide

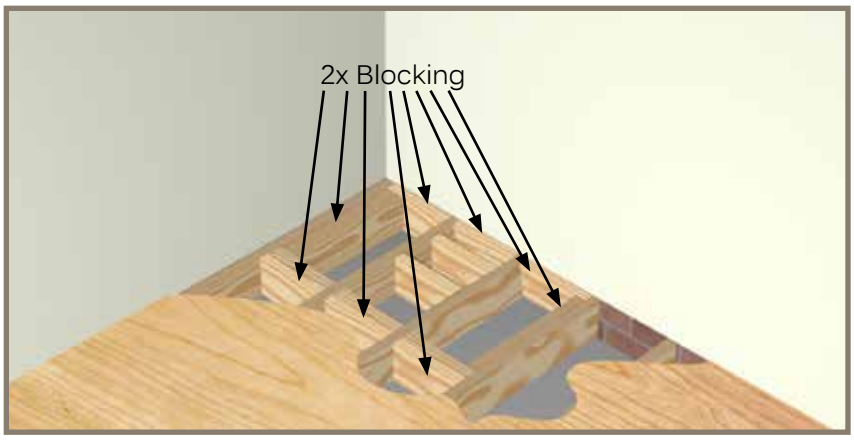
for fusion shower pan on wood joists

Step 5 > > > > > > > >

Set the pan into place so it does not interfere with the joists. If needed, the pan maybe rotated 180 to make sure there is no interference. Once the pan is set to the desired location, note location of drain and make your connections to the wasteline. Install drain in accordance with current plumbing and building codes.

Step 6 > > > > > > > >

Install 2x stock to match existing joists, and block around the perimeter of the Fusion Pan, around the drain, and any unsupported edges of the subfloor. This will ensure full support of Fusion Pan, and existing subfloor.



Step 7 > > > > > > > >

For your dry run, position the Fusion Pan into place and check to make sure the pan is level. If you notice any rocking or flexing in the pan, you may need to shim or shave areas.

Step 8 > > > > > > > >

IMPORTANT: You must sand the top of the pan lightly with a palm or belt sander to roughen up the surface for proper adhesion of waterproofing.

Make sure the sticker is completely removed.

Installation Guide

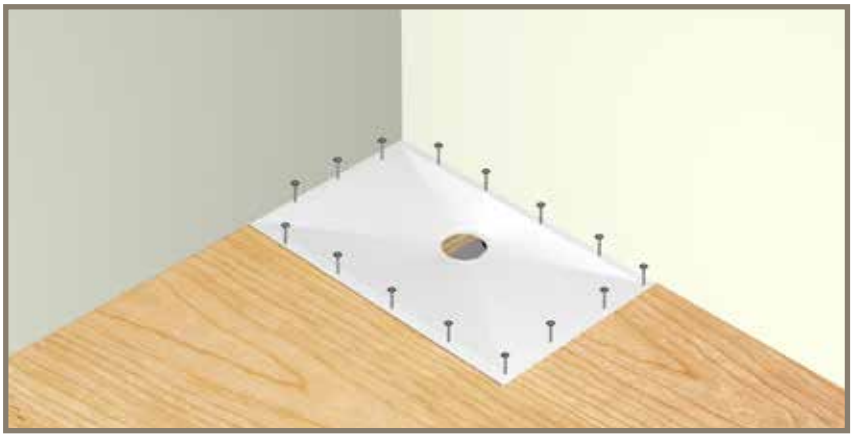
for fusion shower pan on wood joists

Step 9 > > > > > > > >

To prep for permanent installation, remove the Fusion Pan from the surface. Apply a generous amount of construction adhesive to the joists and the plywood floor surface.

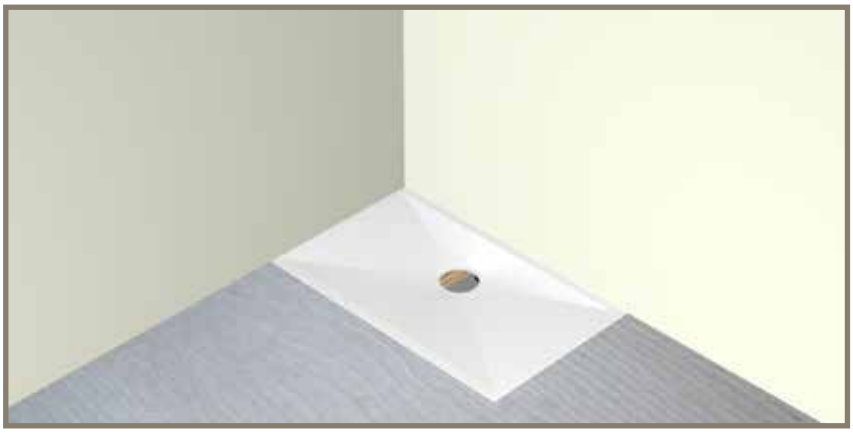
Step 10 > > > > > > > >

Carefully set the Fusion Pan into place. Drill and countersink holes in the Fusion Pan. Using the 2 ½" screws provided, attach the pan. Do not aggressively screw and over tighten, as you may force the Fusion Pan out of level.



Step 11 > > > > > > > >

On top of existing subfloor install cement backerboard in preparation for tiling. Make sure that the top of the backerboard is roughly 1/8" higher than the Fusion Pan.



Step 12 > > > > > > > >

Check that the Fusion Pan is level on all four sides.

Fill in any gaps around the perimeter of the pan over 1/8" with latex or acrylic caulk.

Recommended: DAP Dynaflex 230

Do not use 100% silicone.

Installation Guide

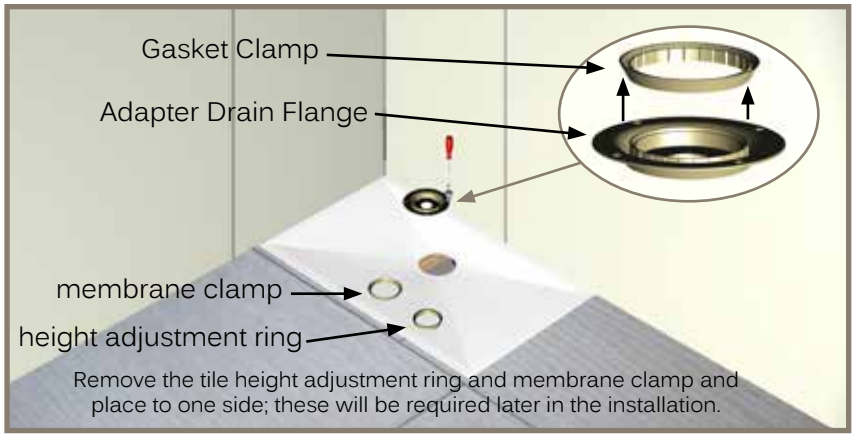
for fusion shower pan on wood joists

Step 13 > > > > > > > >

Attach the drain adapter flange to the Fusion Pan.

First, set the adapter in place, mark the 4 holes, and pre-drill them with a 1/8" bit.

Then, apply a bead of caulk (**Recommended: DAP Dynaflex 230)** to the underside of the drain adapter flange. Lightly push the flange into place, and screw it down using the four ¾" screws provided. Remove any excess caulk that squeezes out.



Remove the tile height adjustment ring and membrane clamp and place to one side; these will be required later in the installation.

Step 14 > > > > > > > >

Make your final connections to the drain. First apply a bead of caulk (**Recommended: DAP Dynaflex 230**) to the underside of the strainer body. Pass the strainer through the drain adapter flange, and tighten. Make sure connection is snug but do not over tighten.

Step 15 > > > > > > > >

You will now begin waterproofing the wet room.

BEST PRACTICE: To achieve the best results, we recommend waterproofing the whole room.

Minimum requirements, shown in these instructions, show you that you only have to waterproof the shower zone, which is 6 ½ feet high and about 2 feet outside of the showering area.

Materials needed for wet room waterproofing.

Step 16 > > > > > > > >

Begin taping the wetroom floor at the interior corners of the Fusion Pan using the corner pieces of the crack isolation tape provided. Using a paint brush or trowel, slather liquid waterproofing into corner, press piece into place, then apply liquid waterproofing on top. Make sure to smooth out any creases. Repeat for additional corners.

Installation Guide

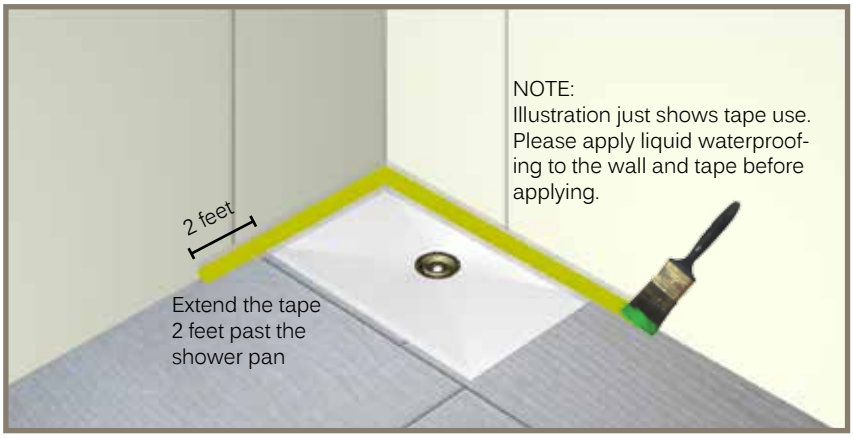
for fusion shower pan on wood joists

Step 17 > > > > > > > >

Using the 5” crack isolation tape provided, cut strips of tape to length, to cover all seams (Corner seams, wall/floor seams, pan/floor joint). Put pieces aside.
If you are creating full wet room, you will need to tape any seams throughout the entire room.
If you are only waterproofing the shower zone, you will only need to tape the seams up to 2 feet outside the shower area.

Step 18 > > > > > > > >

Just like you applied the corner pieces, use your cut strips of Crack Insulation Tape to cover all the seams. Again, trowel or paint liquid waterproofing onto seam, press tape into position and coat the top to seal. Make sure to fully cover both sides of the crack isolation tape with the liquid waterproofing product. To make this process more manageable, it is best to work in two foot sections.

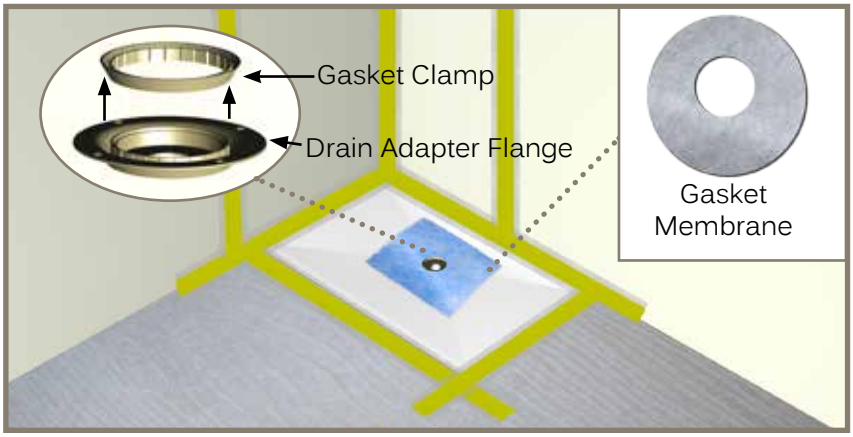


Step 19 > > > > > > > >

Using the 5” crack isolation tape. Overlap all seams of cement board used on either the floors or walls. Overlap the seam where the Fusion pan and cement board meet.

Step 20 > > > > > > > >

Using the provided precut piece of gasket membrane, slather area where gasket piece will adhered to the drain area. Place over drain adapter flange, making sure to cover all screw holes, and securely press down into flange. Coat top of gasket piece with liquid waterproofing.
Important: Remember to remove the clamping ring prior to placing drain gasket.



Installation Guide

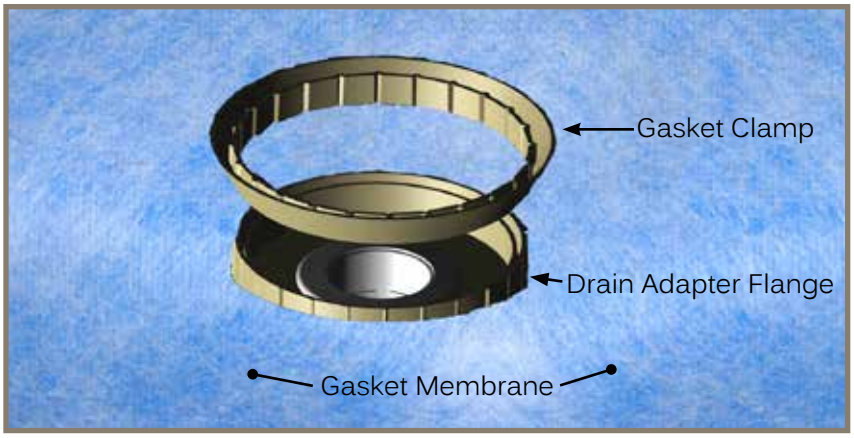
for fusion shower pan on wood joists

Step 21 > > > > > > > >

Now attach the clamping ring. Apply primer and solvent cement to inside of clamping ring. Press firmly into position and allow the solvent to set.

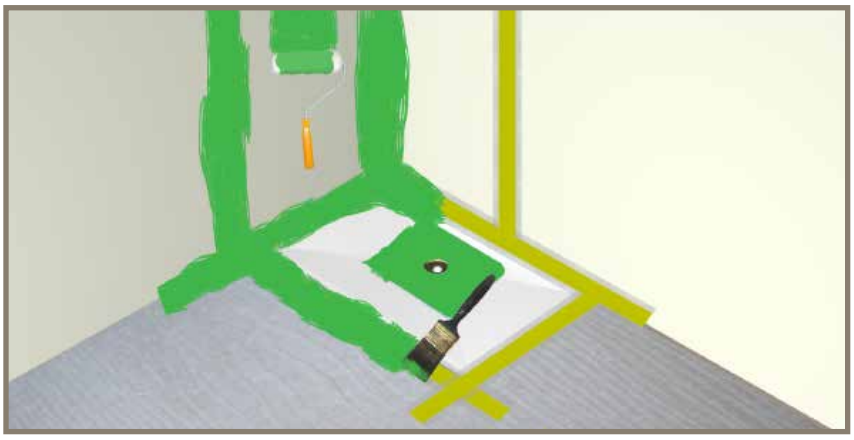
It may take about 60 seconds for the cement to form a bond.

NOTE: Do not allow the solvent cement to come into contact with the membrane



Step 22 > > > > > > > >

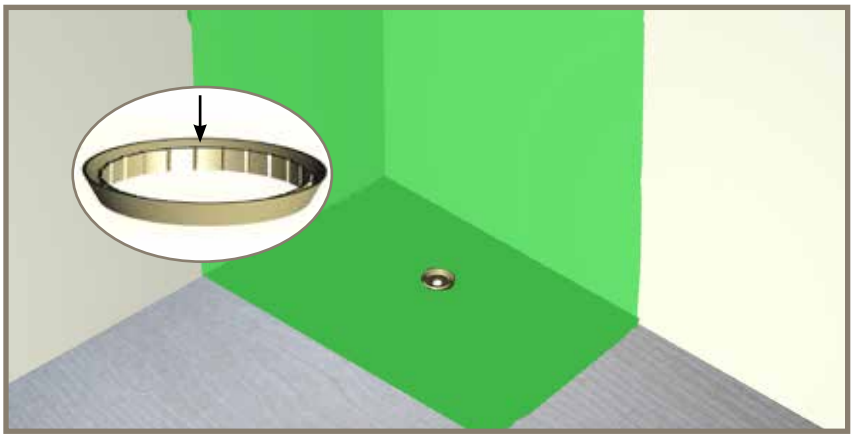
Begin the application of the liquid waterproofing membrane. Paint a layer of liquid waterproofing over all taped joints. It is easiest to begin with the walls first and then proceed to the floor area. For consistant application, use a paint roller to apply waterproofing to all surfaces. Allow to dry for about 4 hours. After first coat is dry, re-coat in the opposite direction. If you rolled up and down for the first coat, roll left to right on the second coat.



Step 23 > > > > > > > >

Apply two coats of liquid waterproofing in opposing directions to achieve 2 mils. (roughly the thickness of a credit card)

Make sure that the “V” section of the gasket clamp is filled with the liquid waterproofing.



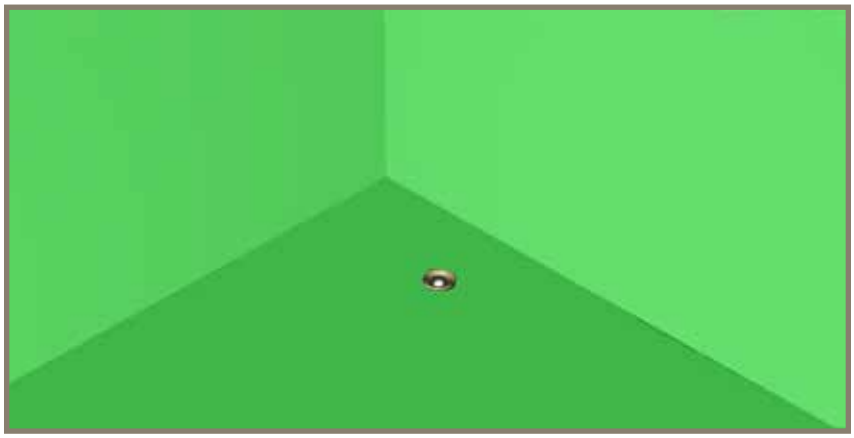
Best Practice > > > > >

To achieve the best results, we recommend waterproofing the whole room.

The waterproofing must cure for at least 12 hours before flood testing.

If flood testing, perform test before tiling.

Use modified thinset when placing the tile.

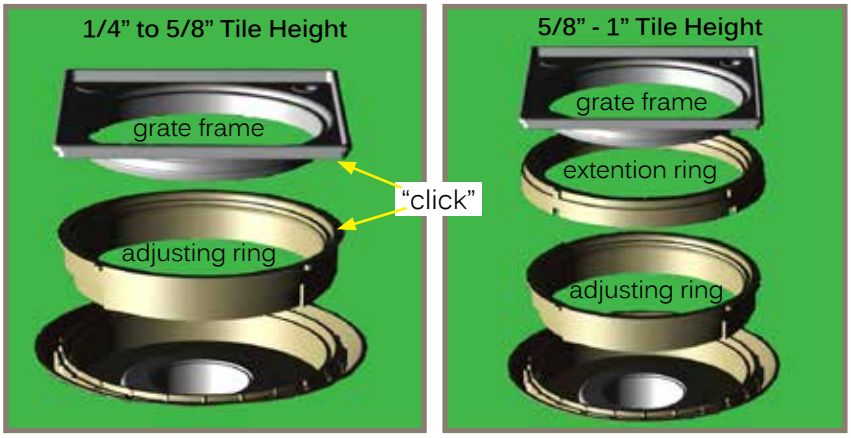


Installation Guide

for fusion shower pan on wood joists

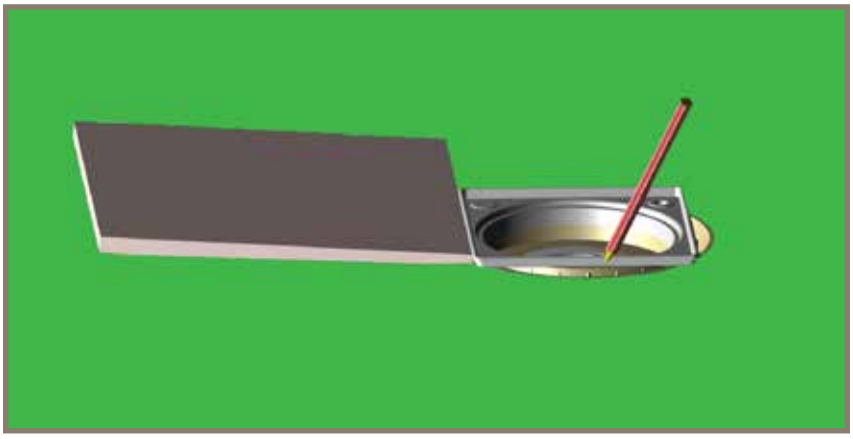
Step 24 > > > > > > >

In order to set the correct height of the grate frame, you may need to use the height extension ring (see diagram to the right). If the height extension ring is required, it will need to be fixed to the height adjustment ring using solvent cement. The grate frame can now be attached to the height adjustment or extension ring, depending on tile thickness. This is done by using firm pressure to clip the components together; it is a tight fit.



Step 25 > > > > > > >

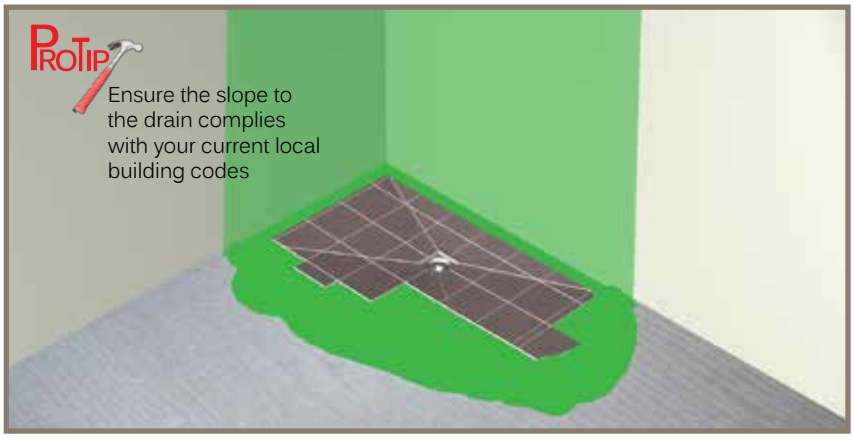
The height adjustment ring and floor drain must now be fixed together using solvent cement. Because solvent cements sets very rapidly we strongly recommend the adjustment is done "dry" first.
To set the permanent height of the grate frame, place a floor tile beside the frame. Rotate the frame until the height is about 1/16" higher (this accounts for adhesive thickness). Now mark the position of the adjustment ring. This mark shows the final height position. Remove ring, apply solvent cement, and re-align components to your marked position. It is best to hold securely until pieces are fully bonded.



Step 26 > > > > > > >

The metal grate frame can be rotated to match the direction of the tile.

You are now ready to tile. If you are using large format tiles, they must be cut diagonally and laid to follow the pitch in the Fusion Pan (From the corners of the grate frame to the corners of the Fusion Pan). Apply the tile adhesive (modified thinset), and lay the tiles in a regular pattern.



Step 27 > > > > > > >

Once your tiling is complete, grout the floors and walls. Finalize by adding the drain grate. It is a friction fit and must be pressed all of the way in. Your Fusion Pan installation is now complete.
Enjoy!