

- a) Wall
- b) Tile
- c) Shower Pan
- d) Liquid Membrane
- e) Crack Isolation Tape
- f) Concrete

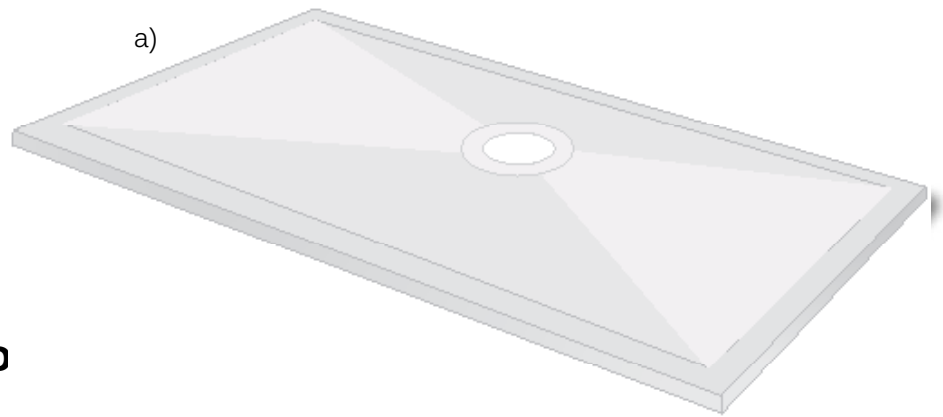
# fusion shower pan recessed into concrete installation guide

## 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.

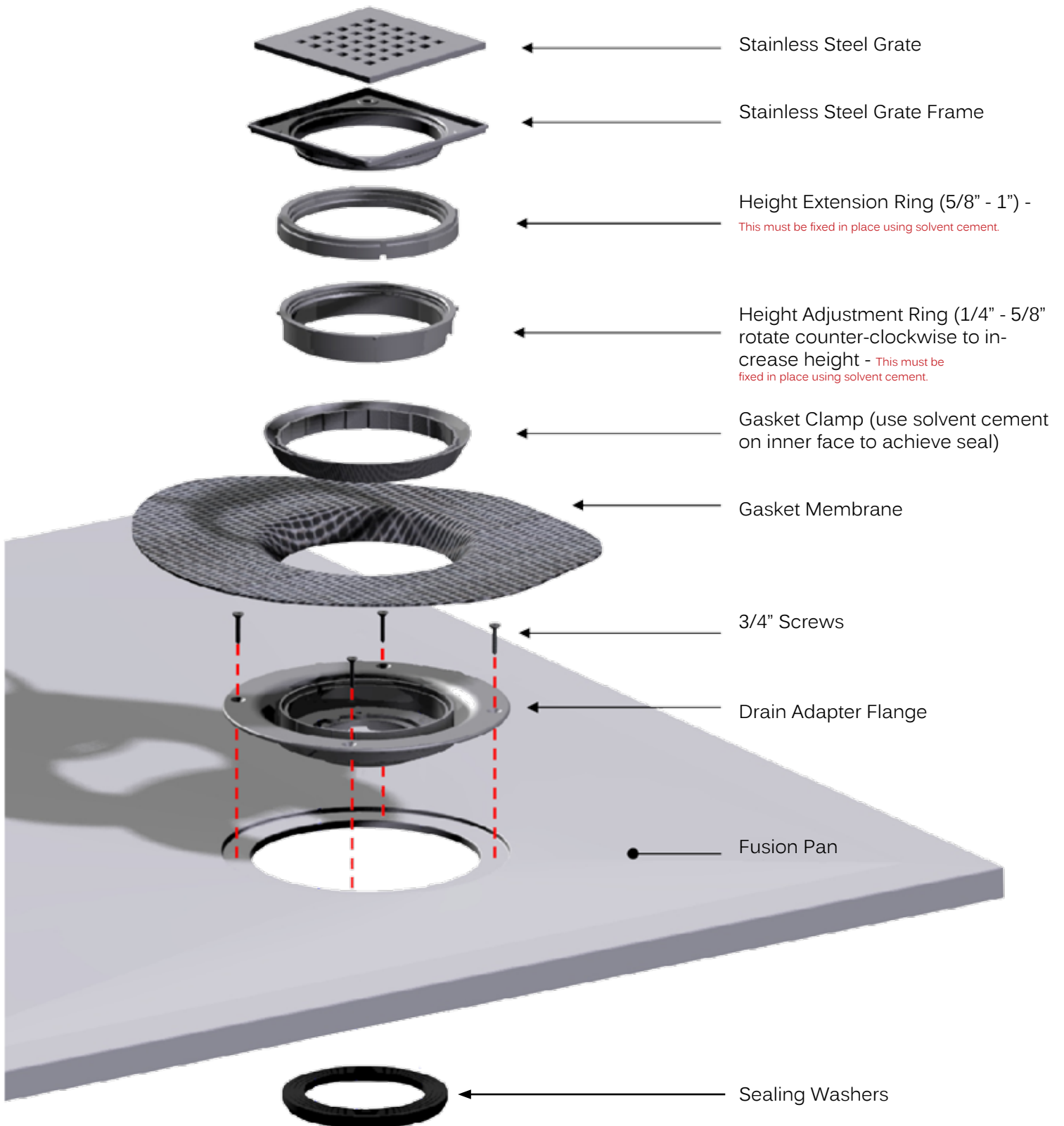


## Required To



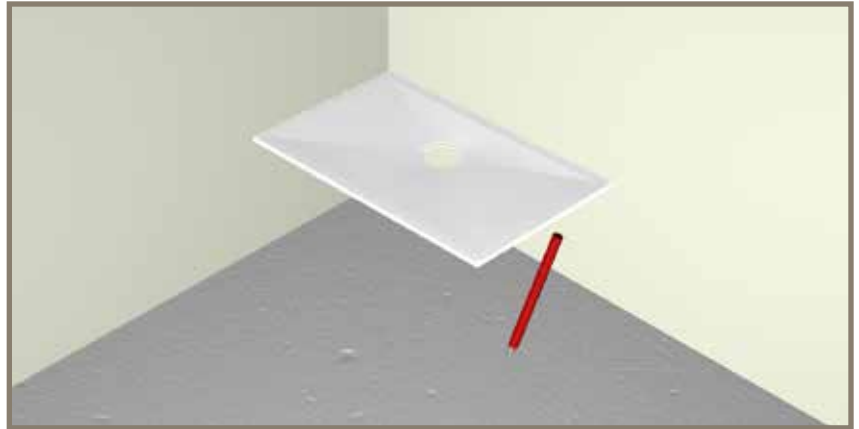
- Drill
- Concrete Saw
- Reciprocating Saw
- Level
- Square
- Caulk Gun
- Hammer
- Utility Knife or Scissors
- Tape Measure
- Paint Rollers
- Belt or Orbital Sander / Sandpaper
- Paint Brush
- Chisel
- Hammer Drill
- Latex or Acrylic Caulk (**DAP Dynaflex 230**)
- Concrete Anchors
- Splash Goggles
- Chemically resistant or impermeable gloves

.....for fusion shower pan recessed into concrete



## 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. Place the pan in desired location and mark the edge of the pan on the concrete.



## Step 2 > > > > > > >

Using suitable equipment, and proper safety gear, carefully cut along your line as accurately as possible to a minimum depth of 1". It may be easiest to score the concrete approximately every 1" to 2" inside your perimeter line, to make the removal of the concrete more efficient. Now, excavate all of the remaining concrete in the marked area.

**Note:** If possible, please check or mark location of existing plumbing and electrical to avoid damaging them



## Step 3 > > > > > > >

Place the Fusion Pan into place. Once the pan is set to the desired location, note the location of drain and remove enough concrete for the installation of the waste pipe, and drain body, making sure the diameter of the hole is at least 10".



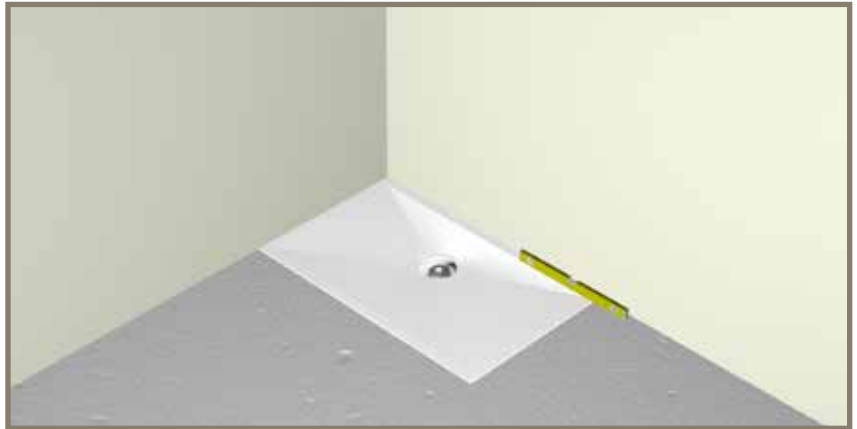
## Step 4 > > > > > > >

Install the drain in accordance with current plumbing and building codes.



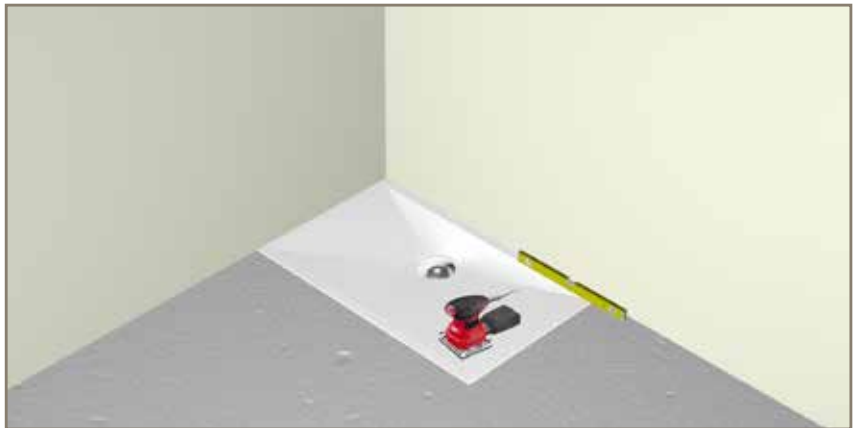
## Step 5 > > > > > > >

Set the Fusion Pan into place, and check to make sure it is level. This is important to achieve proper drainage. If for some reason you notice any rocking or flexing in the pan, you may need to build up or shave areas.



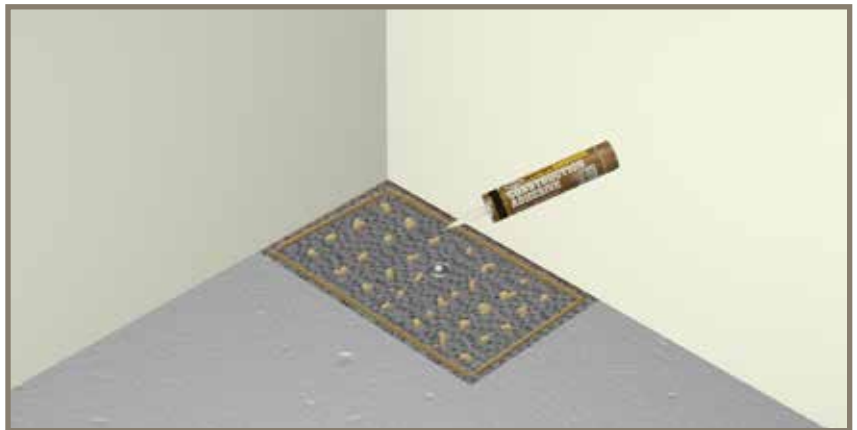
## Step 6 > > > > > > >

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



## Step 7 > > > > > > >

To prep for permanent installation, remove the pan from the surface. Apply a generous amount of construction adhesive to the concrete floor. Place the pan down into position and apply pressure to adhere the Pan to the concrete.



## Step 8 > > > > > > >

Again while insuring that your pan has remained level, drillll and counter sink holes into the Fusion Pan. Using cement anchors, attach the pan. Do not aggressively screw and over tighten, as you may force the Fusion Pan out of level.



## Step 9 > > > > > > > >

The floor should be level with the Fusion Pan where they meet.

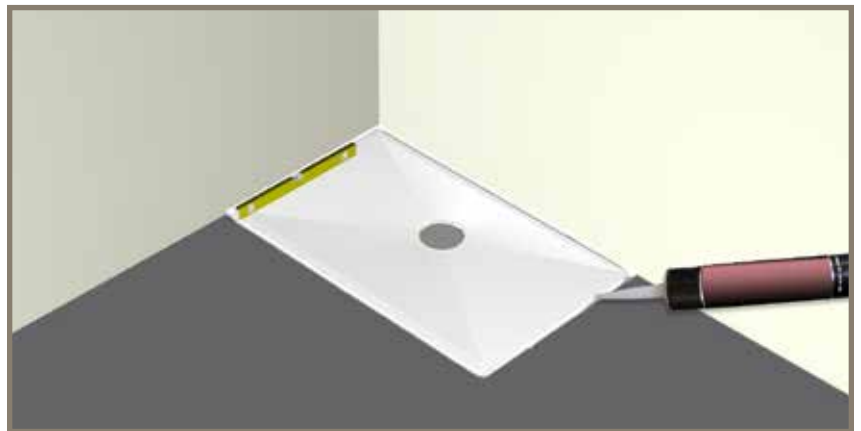


## Step 10 > > > > > > > >

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

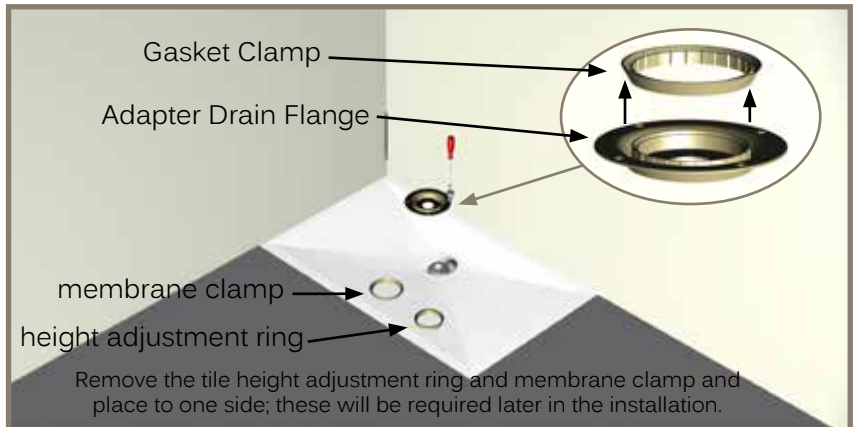
Fill in any gaps around the perimeter of the pan over 1/8" with latex or acrylic caulk.

**Do not use 100% silicone.**



## Step 11 > > > > > > > >

You now want to attach the Drain adapter flange to the Fusion Pan. First apply a bead of caulk to the underside of the drain adapter flange. Lightly push the flange into place, and screw it down using the four 3/4" screws provided. Remove any excess caulk that squeezes out.



## Step 12 > > > > > > > >

Make your final connections to the drain. First apply a bead of caulk 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 13 > > > > > > >

You will now begin waterproofing the wet room.

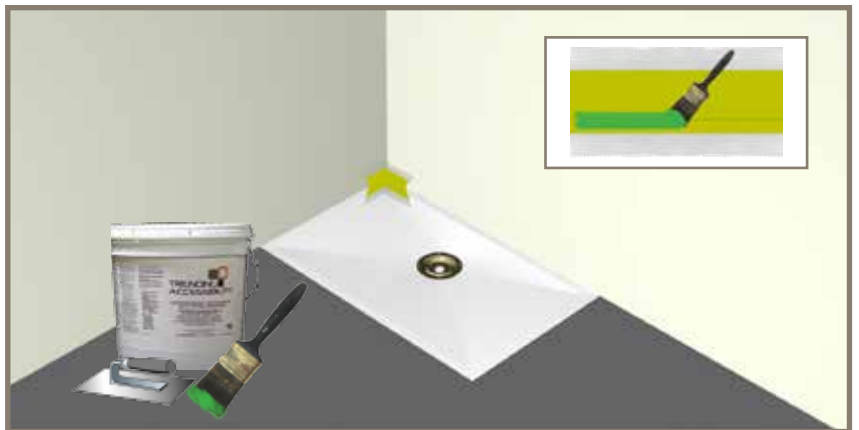
**BEST PRACTICE:** To achieve the best results, we recommend waterproofing the whole room.

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.



## Step 14 > > > > > > >

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.



## Step 15 > > > > > > >

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.

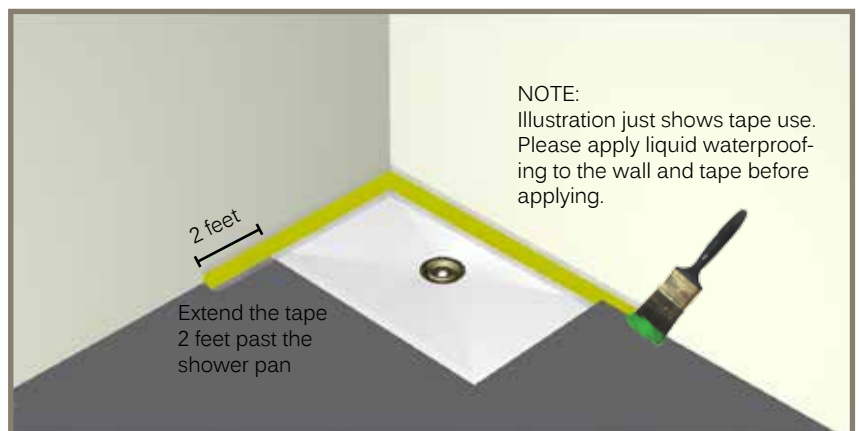
If you are creating full wet room, you will need to tape any seams throughout the entire room.

If you are only waterproofing the shower zone, you will only need to tape the seams up to 2 feet outside the shower area.



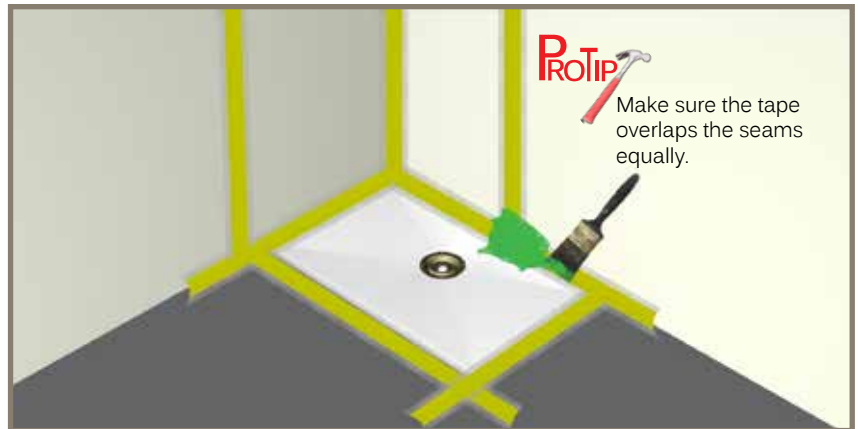
## Step 16 > > > > > > >

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.



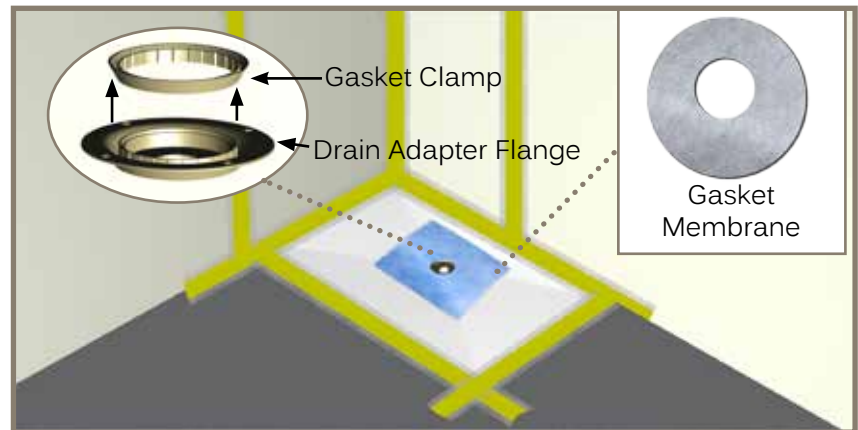
## Step 17 > > > > > > >

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.



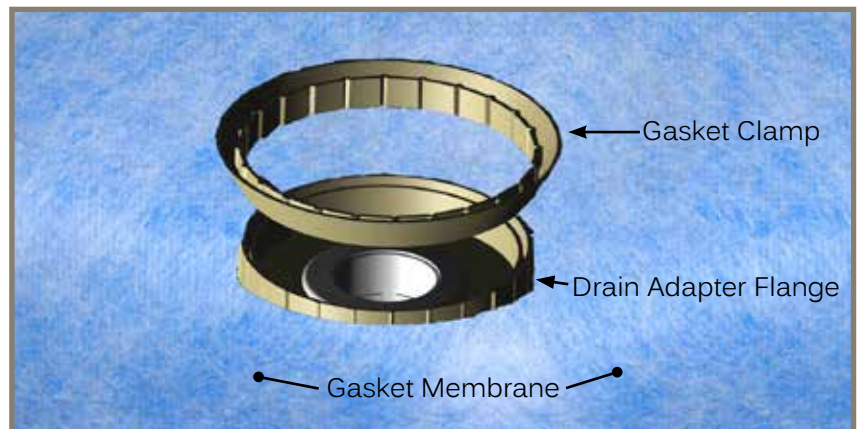
## Step 18 > > > > > > >

Using the provided precut piece of gasket membrane, slather area where gasket piece will adhere 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.



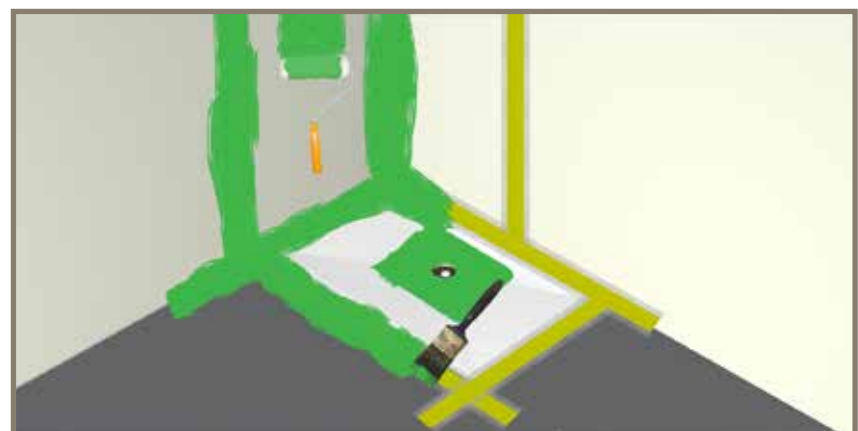
## Step 19 > > > > > > >

Now attach the clamping ring. Apply solvent cement to inside of clamping ring. Press firmly into position and allow the solvent to set. **NOTE:** Do not allow the solvent cement to come into contact with the membrane



## Step 20 > > > > > > >

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 consistent application, use a paint roller to apply waterproofing to all surfaces. Allow the waterproofing 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.

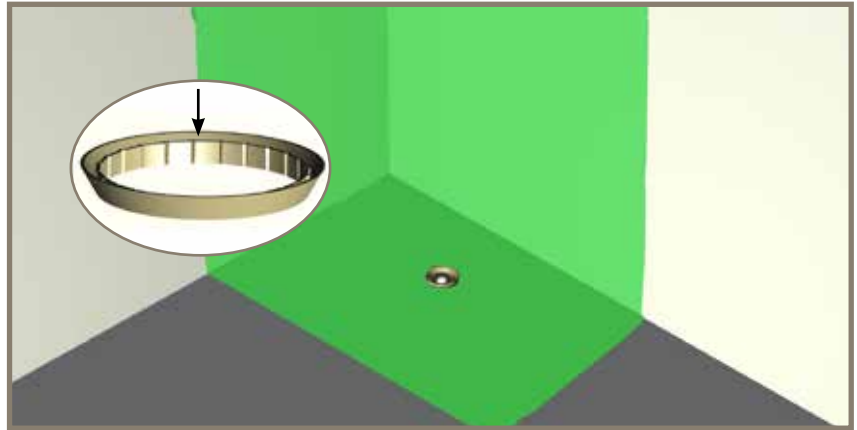




## Step 21 > > > > > > >

Apply two coats of liquid waterproofing in opposing directions to achieve 40 mils. (roughly the thickness of a credit card)

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



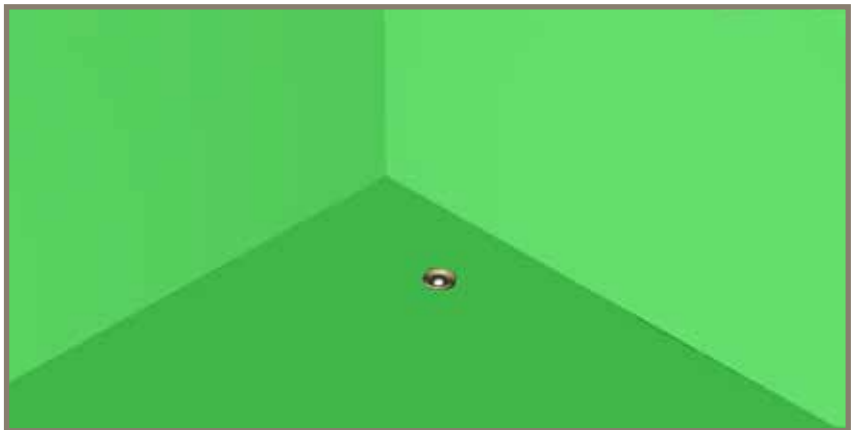
## Pro-Tip > > > > > > >

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

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

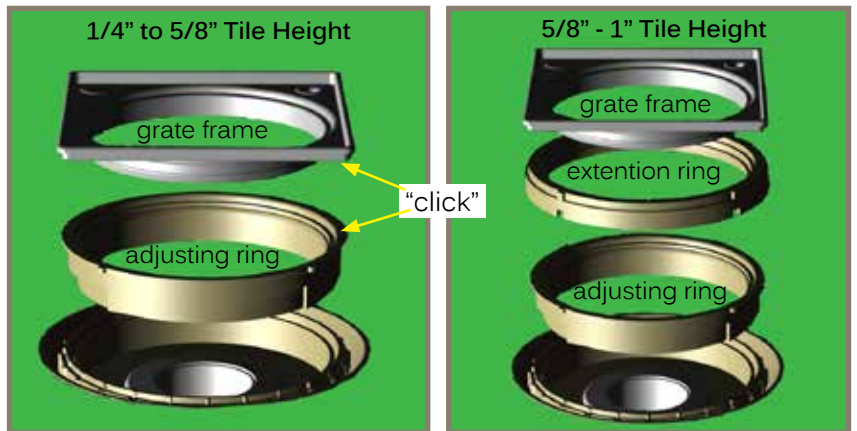
If flood testing, perform test before tiling.

Use modified thinset when placing the tile.



## Step 22 > > > > > > >

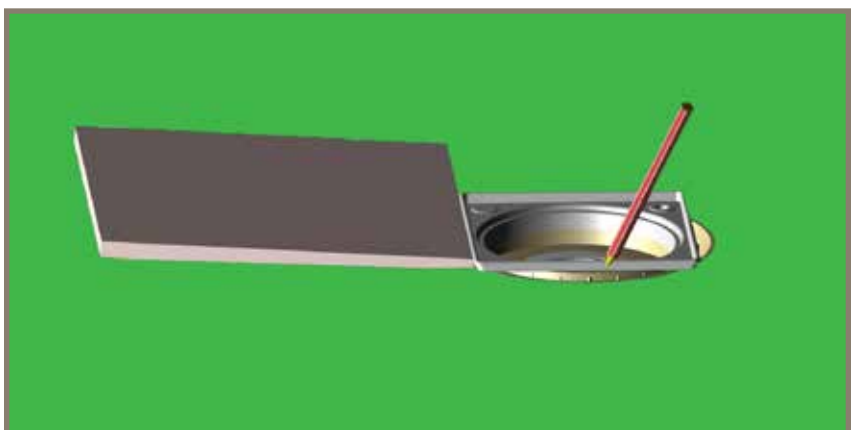
In order to set the correct height of the grate frame, you may need to use the height extension ring (see diagram to the right). If the height extension ring is required, it will need to be fixed to the height adjustment ring using solvent cement. The grate frame can now be attached to the height adjustment 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 23 > > > > > > >

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.

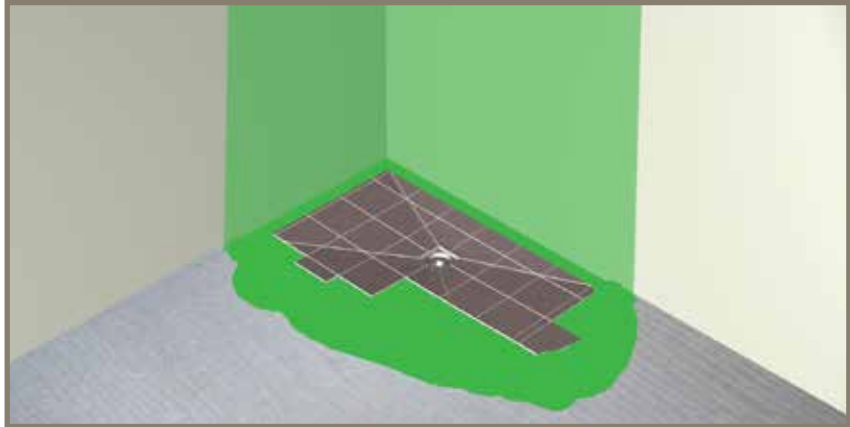
To set the permanent height of the grate frame, place a floor tile beside the frame. Rotate the frame until the height is about 1/16" higher (this accounts for adhesive thickness). Now mark the position of the adjustment ring. This mark shows the final height position. Remove ring, apply solvent cement, and re-align components to your marked position. It is best to hold securely until pieces are fully bonded.



.....for fusion shower pan recessed into concrete

## Step 24 > > > > > > >

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, and lay the tiles in a regular pattern.



## Step 25 > > > > > > >

Once your tiling is complete. Grout the floors and walls. Finalize by adding the drain grate. Your Fusion Pan installation is now complete. Enjoy!

