Installation Instructions

30mm Height Linear Drain Shower Trays

Parts Supplied:

1: Shower Tray
2: Disposable Tiling Aid

Parts Required (purchased separately):

1: Shower Drain
2: Acrylic Primer - 1 Litre
3: Tile Adhesive - 3.5Kg Rapid Set C2FT S1
4: 10lm Sealing Tape with central rubber coating
5: 2 x Internal Corners with central rubber coating
6: Waterproof Tanking Solution - 2.5Kg

Before You Start:

This product can be installed in two ways:

Method 1: 30mm High Tiled Shower Base onto an Existing Concrete or Timber Substrate
Method 2: Level Access Wet Room Tiled Shower Tray Built into Existing Floor

Choose you installation method and follow the instructions which relate to either installation Method 1, or installation Method 2.

Important Information:

PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING INSTALLATION.

If your product has slightly damaged edges, there is no need to return the product as these can easily be repaired and most minor damage will naturally be covered during installation.

Should you need to patch a repair that won't be naturally covered you should do so in the same way as you would seal a joint with Sealing Tape and Waterproof Tanking Solution.

DO NOT PLACE STEP LADDERS OR HEAVY ITEMS ONTO THE SHOWER TRAY OR OTHER PRODUCTS, PRIOR TO TILLING, AS THIS COULD PUNCH A HOLE THROUGH THE SURFACE. DO NOT CLIP THE WASTE INTO POSITION WITHIN THE TRAY UNTIL INSTRUCTED TO DO SO IN THE INSTRUCTIONS THAT FOLLOW; THE WASTE CLIPS INTO THE TRAY SECURELY AND IS NOT DESIGNED TO BE REMOVED, THEREFORE THIS MAY CAUSE DAMAGE TO THE TRAY LUGS AND/ OR WASTE IF THIS WARNING IS IGNORED. PURE ADHESION CANNOT BE HELD LIABLE FOR ISSUES ARISING DUE TO DAMAGE CAUSED IN THIS WAY.

When you are ready to start, make sure that you have the right tools to hand and that the installation area is clean and dry. When drilling or fixing into walls or floors it is essential that you check for pipes and wires before commencing.

Installation Method 2: Into An Existing Timber Floor

Site Preparation:

All floor types need to be clean, dry and dust free.

All floor types need to be as flat and level as possible.

Prior to installation you will need to have access to a wastepipe in the correct position. Please ensure that the wastepipe is accessible and any alterations to the floor are completed prior to installation.

Step1:

If you are installing into an existing wooden floor, make sure that the remaining existing floor boards or sheets are fully secured down and as level and flat as possible.

Step2:

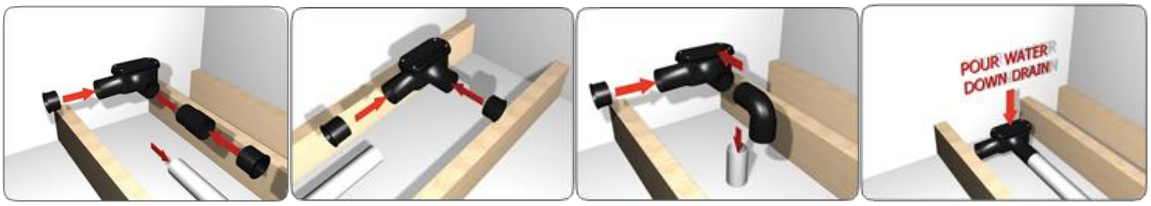
Mark the shower tray position onto the floor. Measure the position of the waste hole in the shower tray. Carefully remove the shower tray and store somewhere safe.

Step 3:

From the nails or screws holding the existing flooring down, establish where the joists are. Where the edge of the shower tray runs across the joists, the floor cut line will be as marked in step 2. Where the edge of the shower tray runs in the same direction as the joists, mark the centre line of the first joist outside the shower area as you will need to remove the floor up to this line.

Before proceeding, check thoroughly for pipes and wires under the floor. Set the circular saw blade to a depth of 18mm, it may be necessary to increase the depth slightly if 18mm does not go right through the floor. As a safety precaution, we would recommend that the circular saw is plugged into an RCD protected socket. Using the circular saw cut along the lines that you have marked and remove the flooring and all nails or screws.

Step 4:



Note: All solvent joints should be cleaned with an appropriate solvent weld cleaner prior to using solvent adhesive.

The waste has two outlets for multi direction waste flow. The outlet running at a ninety degree angle from the waste has a zero degree fall; this is to facilitate the fitting of the vertical waste elbow. If you plan to run the waste horizontally from this out- let you MUST fit the angled coupler supplied with the linear drain to achieve the required waste fall. Clean with Spread solvent weld adhesive around the outside of the coupler and push into the linear drain outlet with a twisting action, ensuring that the coupler is fit with the fall in the correct orientation by ensuring that the angled coupler is fitted with the 'up' text facing upwards.
IMPORTANT: As the drain has two outlets, it is important that the outlet not being used is capped off using the stop end supplied. Spread solvent weld adhesive around the outside of the stop end and push into the linear drain outlet with a twisting action.

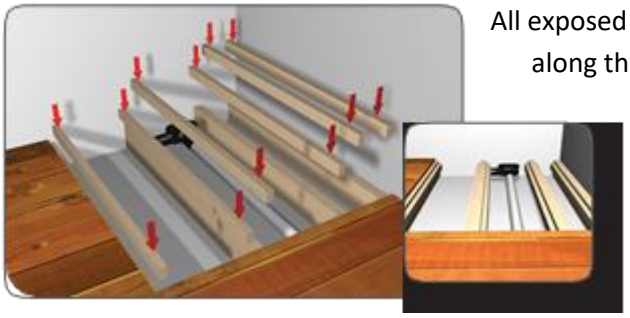
The linear drain is also supplied with a 2" to 1 ½" reducer for instances where you need to reduce to 1 ½" waste pipe. Spread solvent weld adhesive around the outside of the reducer and push into the remaining linear drain outlet with a twisting action. If you have 2" waste pipe this part can be discarded and simply fit your waste pipe to the linear drain using solvent waste adhesive in the same manner as above.

Once any solvent welds have set, pour water down the drain to check that the waste is not blocked and that there are no leaks.

Note: The typical linear drain flow rate figure (42L/ min) is based on using 2" waste pipe; by reducing the waste pipe diameter this will have an adverse effect on the flow rate achieved.

For water to drain away properly, the waste pipe must have a fall of 3cm per metre.

Step 5:

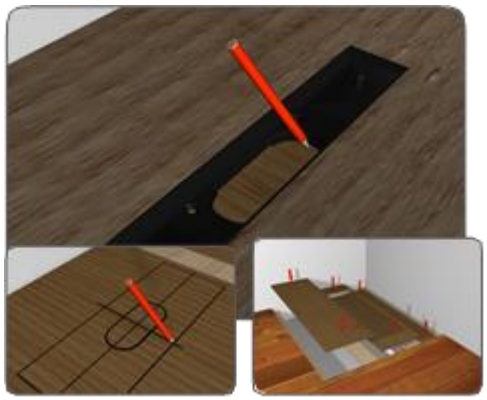


All exposed joists will now need a noggin or batten running along the inside of the joist to accommodate the new plywood low level floor. Measure the length of the exposed joist taking into account any obstructions. Cut some timber batten to length and screw at approximately 50mm intervals to the inside of all joists 18mm below the top of the joists.

Step 6:

Cut some 18mm plywood to fit between the joists on top of the noggin fitted in.

Step 7:



Before proceeding, check thoroughly for pipes and wires. Measure the shower drain base position on the floor and mark this onto the relevant piece of plywood. Remove this piece of plywood, then using a jigsaw cut a hole in the plywood so that the shower drain base and shower drain connector will be exposed through the new floor.

Check the position of any pipes or wires and mark these on top of the joist for reference. Lay the plywood into position and pilot drill and countersink making sure you avoid any pipes and wires marked on the joists. Fix the plywood on top of the timber battens with a suitable wood screw at approximately 150mm intervals.

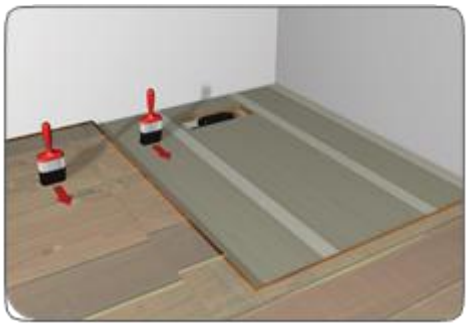
Step 8:

If you are left with a gap between the edge of the shower tray and the start of the original flooring, this should be filled with a piece of the flooring that you removed in Step 4 and securely screwed down onto the new plywood.

Step 9:

Lay the shower tray into the required position to check the fit of the shower drain base. Once you are happy with the fit, carefully remove the shower tray and store somewhere safe.

Step 10:

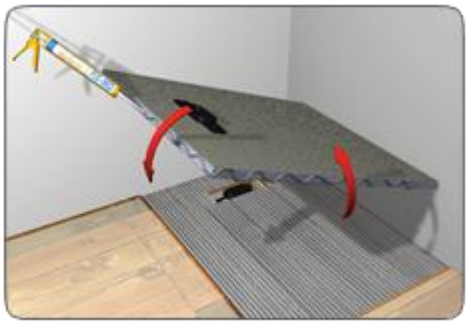


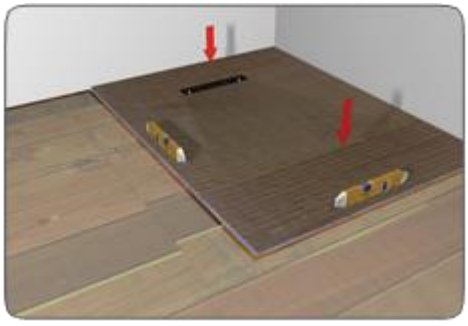
Paint the entire floor area including the new plywood with the Acrylic Primer. Leave to dry.

Step 11:

Mix a bag of Flexible tile adhesive with water, to the directions on the back of the bag, in a clean bucket which will give the adhesive a stiff consistency. Where the shower tray will sit, spread the Flexible tile adhesive onto the floor and drag a notched adhesive trowel across the surface. The notched adhesive trowel will make a ribbed pattern which will leave just the right amount of adhesive on the floor.

Step 12:





Apply a wavy line of acrylic sealant (e.g. Marmox Multibond or Jackoboard Board Fix, not supplied) across the edges that will meet a wall, and then place the shower tray into position and bed down onto the adhesive. Check that the shower tray is level in both directions along the edge using a suitable level.

Step 13:

Line up the linear drain bowl with the drain top pre-fitted within the shower tray and connect the two together using the

four bolts provided and a suitable cross headed screwdriver. Ease the shower drain internal bowl into the shower drain base. Ease the shower drain internal dome into the shower drain base.

At this point the shower tray will sit approximately 10-11mm above the rest of the bathroom floor. The rest of the floor can now be primed using more Larsen Acrylic Primer (if not primed when the shower tray area was primed). A 10mm tile backer board should be stuck down with tile adhesive and screwed (using metal or plastic fixing washers) onto the rest of the bathroom floor. This will create a level surface from bathroom floor to shower tray. Additional tanking materials will probably be required to waterproof the rest of the bathroom floor if it is a wet room project.

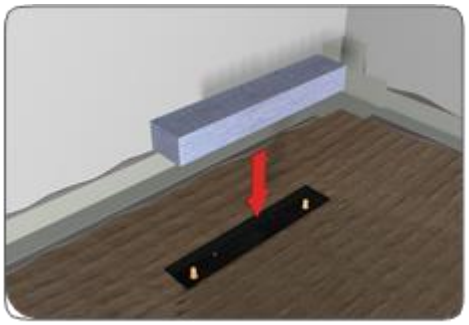
Step 14:

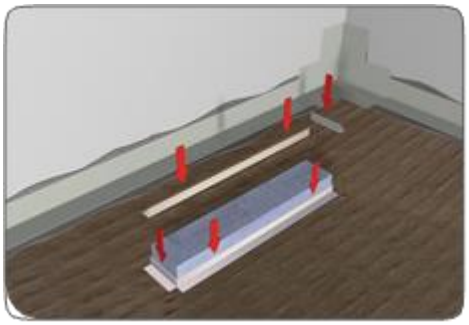
Paint acrylic primer onto the edges of the shower tray and onto adjoining walls, covering at least 50mm of tray and wall. Allow to dry. From a roll of sealing tape cut to suit the width of the shower tray and the length of the shower tray. Temporarily place a waterproofing internal corner into position and mark around it with a pencil. Once marked it can be removed. This is to show where you need to apply Tanking Solution. Repeat for any other corners.

Step 15:

Using the Tanking Solution and a paintbrush, apply a thin layer of Tanking Solution to the Internal Corners of the shower tray, slightly bigger than the pencil line marked earlier. Place the waterproofing Internal Corners into the internal corners of the shower tray and push firmly into the Tanking Solution. Apply a further thin layer of Tanking Solution over the edges of the waterproofing Internal Corners

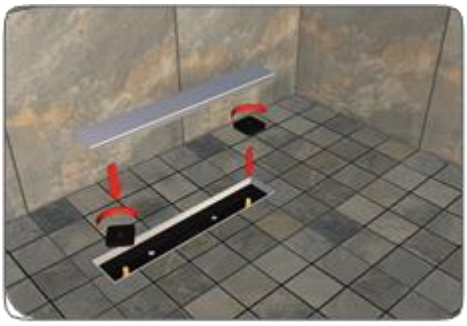
Step 16:





Place the disposable tiling aid into the shower drain hole on the shower tray. The tiling aid provides the edge that needs to be tiled up to whilst protecting the drain from debris. At this stage tile trim can be fitted to create a clean finished edge for the waste cover. The optional trim will vary according to tile thickness being installed.

Step 17:



The linear drain is supplied with 2 No. square black plastic height adjustment nuts. Screw these onto the protruding bolts pre-fitted within the linear drain and adjust to suit your thickness of tile and adhesive. The drain should aim to be fitted flush with the finish tile.

Step 12: (OPTIONAL)

Various options are available to accessorise the linear drain including a tile able drain cover option to give a more bespoke finish to your shower room. These are installed in the same way as above; just adjust the black plastic height adjustment nuts to suit. Leave for at least 24 hours before using the shower.