

## **Orion Wetroom Shower Tray Former**

**WARNING!**

**We recommend that this product is installed by a qualified tradesperson and we accept no liability for products fitted incorrectly, and where the correct testing procedures have not been used, resulting in the escape of water.**

## **INSTALLATION INSTRUCTIONS**

**(Waste Sold Separately)**

**Please follow these care instructions to ensure your product retains it's high quality finish and please retain this leaflet for future reference.**

### **Step 1**

Measure the entire floor area and plan the layout on a sheet of paper. Decide if any of the waterproof boards need to be cut and if they do, cut them now using a hand point saw. Lay the entire pack out across the floor area to check the fit.

**NOTE: DO NOT WALK ON OR STAND ANYTHING ON THE SHOWER TRAY OR WATERPROOF BOARDS AS THEY CAN EASILY BE DAMAGED AT THIS STAGE.**

Carefully remove the waterproof boards and store somewhere safe.

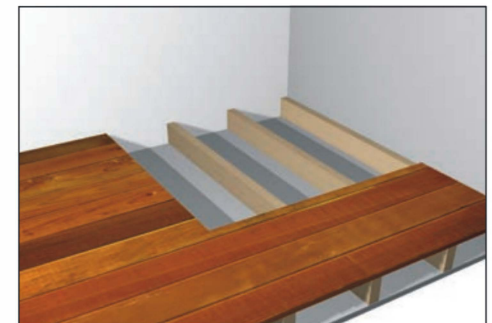


### **Step 2**

Remove flooring as necessary to carry out works to the waste pipe. Please note that if there is a joist in the way of the Shower Tray you will need to consult a professional joiner or structural engineer for advice.

### **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

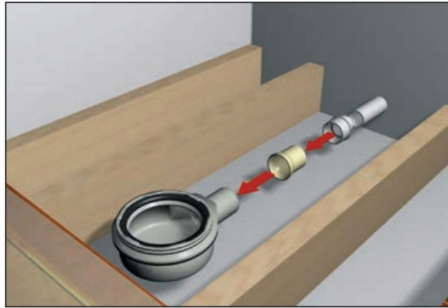


#### Step 4

Before proceeding, check thoroughly for pipes and wires under the floor. Set the circular saw blade to the depth of the floor boards, it may be necessary to increase the depth slightly if it does not go right through the floor boards. 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 5

Make sure that the remaining floor boards or sheets in the rest of the room are fully secured down and are as level/flat as possible.



#### Step 6

Note: Make sure all pipes and drainage parts are clean at all times using solvent waste pipe cleaner prior to connection.

40mm Waste Pipe Only.

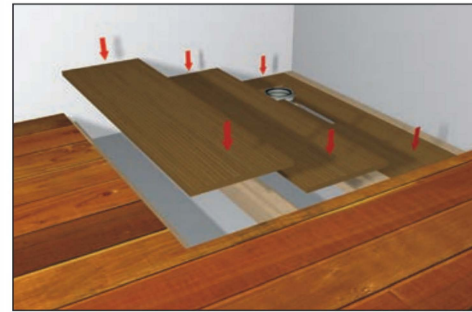
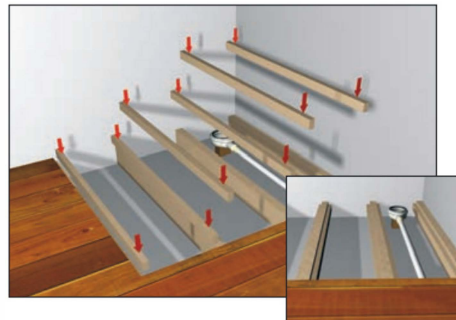
Solvent weld the shower drain reducer into the shower drain connector.

40mm & 50mm Waste Pipe.

The waste pipe must be properly supported to hold its own weight and that of the shower drain base. Spread solvent weld adhesive around the inside of the drain connector. Push the shower drain base onto the shower drain connector with a twisting action. Spread solvent weld adhesive around the inside of the opposite end of the shower drain connector and then slide onto the waste pipe with a twisting action. Once the solvent weld has set, pour water down the drain to check the waste is not blocked and that there are no leaks. Smear some lubricant around the black rubber seal on the shower drain base.

#### Step 7

All exposed joists will now need a 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 (Approx. 20x50mm) to length and screw at approx. 150mm intervals to the inside of all joists 18mm below the top of the joists.



#### Step 8

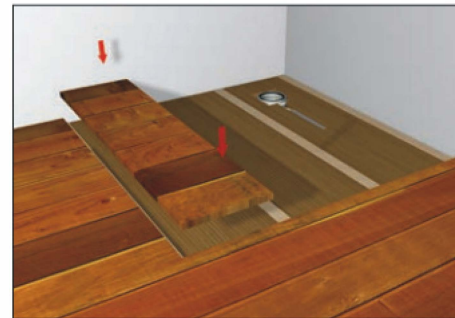
Cut some 18mm plywood to fit between the joists on top of the batten fitted in Step 7.

#### Step 9

Measure the shower drain base position on the floor and mark this onto the relevant piece of plywood. Using a jigsaw cut a hole in the plywood so the shower drain base and shower drain connector will be exposed through the new floor.

Please note that the hole should be no bigger than 180x180mm.

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.

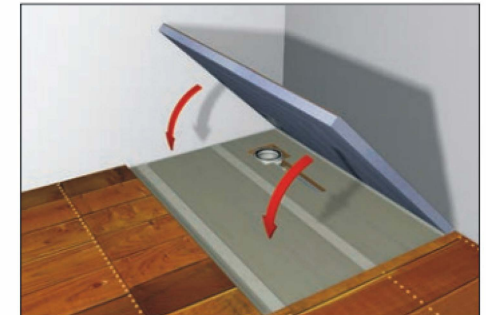


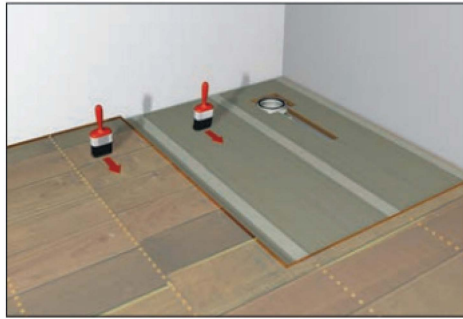
#### Step 10

All exposed joists will now need a 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 (approx. 20x50mm) to length and screw at approx. 150mm intervals to the inside of all joists 18mm below the top of the joists.

#### Step 11

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.



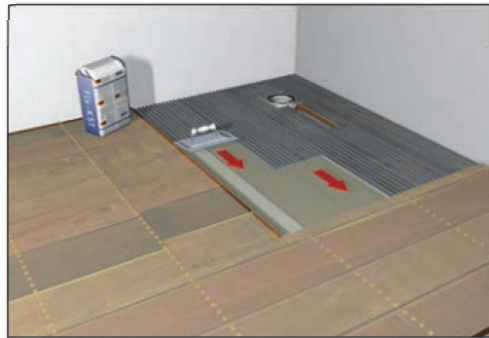


### Step 12

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 13

Put on the protective gloves and wear eye and breathing protection. Mix one of the 5kg bags of board fixing adhesive according to the instructions on the bag in a clean bucket which will give the adhesive a stiff consistency. Where the shower tray will sit, spread the board fixing adhesive onto the floor and drag the 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.



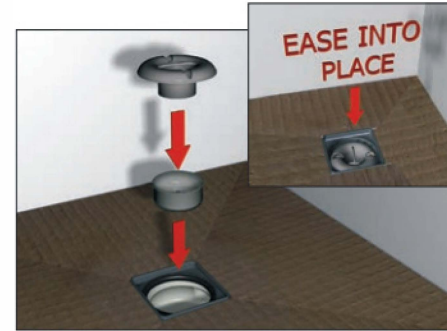
### Step 14

Apply a wavy line of sealant adhesive to the edges of the shower tray where it will touch the walls. 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 15

Put your fingers through the drain hole in the shower tray. Push down on the shower tray and pull the shower drain base upwards until it clicks into place into the drain hole in the shower tray.

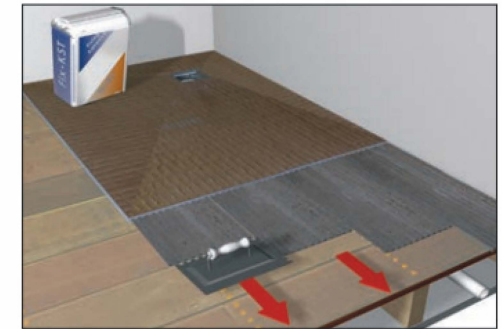


### Step 16

Put your fingers through the drain hole in the shower tray. Push down on the shower tray and pull the shower drain base upwards until it clicks into place into the drain hole in the shower tray.

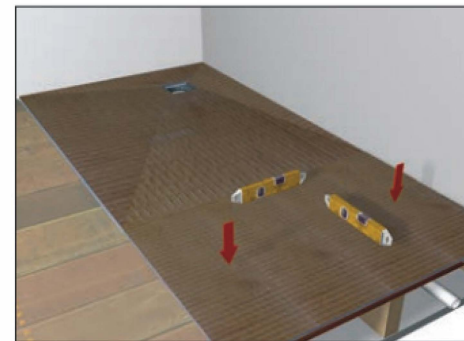
### Step 17

Where the first waterproof board will sit, spread the board fixing adhesive onto the floor and drag the 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.



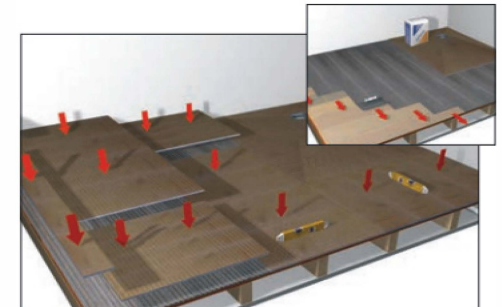
### Step 18

Place the first waterproof board into position and bed down onto the adhesive cement. Check that the waterproof board is level in both directions using a suitable level. The floor is designed to be fitted flat and is fully waterproof, however water will sit on a flat surface. If the floor immediately outside the showering area is likely to get wet, it is advisable to angle the first board slightly so that water will run back towards the drain.

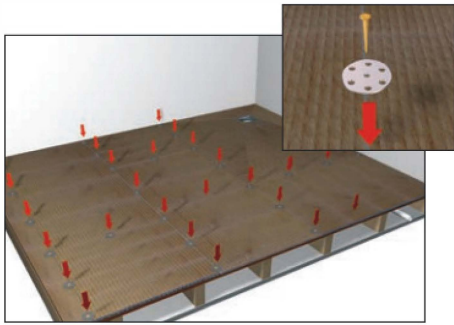


### Step 19

Repeat steps 17 and 18 for the remaining waterproof boards, mixing the second bag of board fixing adhesive when required. When you have finished you can remove the protective gloves and eye and breathing protection. Leave to set for approximately 3 to 4 hours, depending on room temperature.





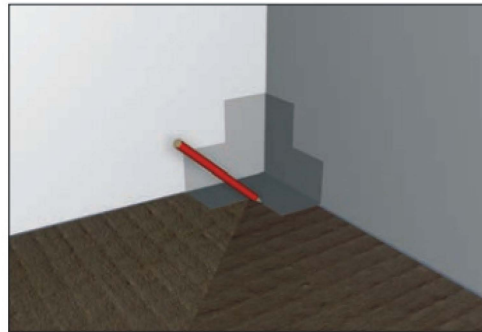


### Step 20

Before proceeding, check thoroughly for pipes and wires under the floor. Along all joists fit the fixing plates at approximately 300mm centres. Place the centre hole of the fixing plates directly over the joist line and screw to the floor with the fixing plate screws.

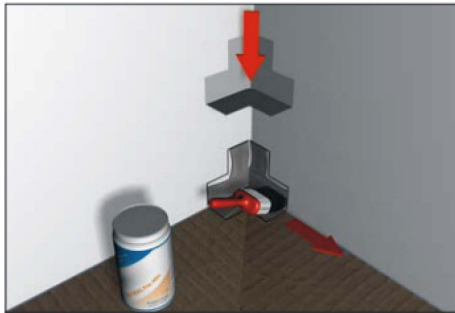
### Step 21

Place the waterproofing internal corners into position and mark around them with a pencil. Once you have marked they can be removed. This is to show where you need to apply the tape sealer.



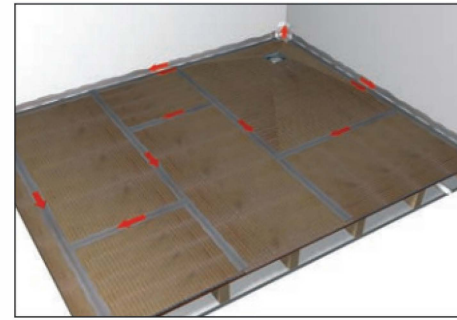
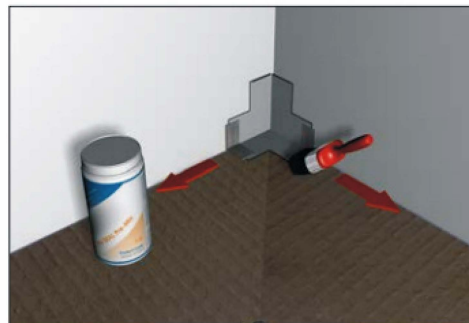
### Step 22

Put on the protective gloves and wear eye and breathing protection. Using the tape sealer and a paintbrush, apply a thin layer of tape sealer to the internal corners of the shower area, slightly bigger than the pencil line marked in Step 21.



### Step 23

Place the waterproofing internal corners into the internal corners of the shower area and push firmly into the tape sealer. Apply a further thin layer of tape sealer over the edges of the waterproofing internal corners.

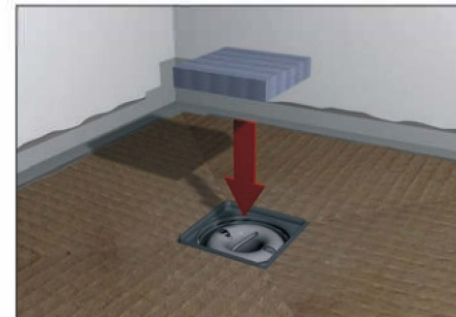
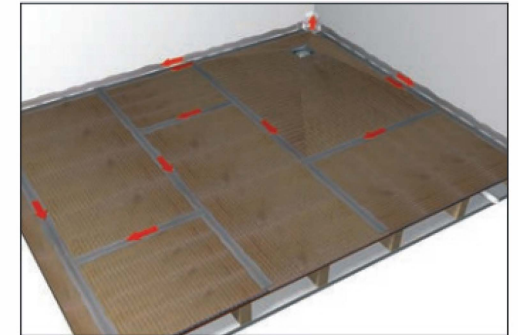


### Step 24

Apply a thin layer of tape sealer to one edge of the floor and adjoining wall approximately 60mm wide on each. Press the waterproofing tape firmly into the tape sealer, folding half up the wall and half on the floor as you go. Repeat this process for the remaining walls. The waterproofing tape should be cut to overlap approximately 20mm onto the waterproofing internal corners.

### Step 25

Apply strips of waterproofing tape across all joints and fixing plates using tape sealer and pressing firmly down. When you have finished you can remove the protective gloves and eye and breathing protection. Leave to set for approximately 3 to 5 hours after which the floor is ready for tiling.

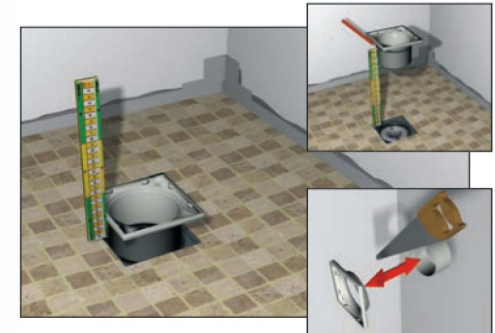


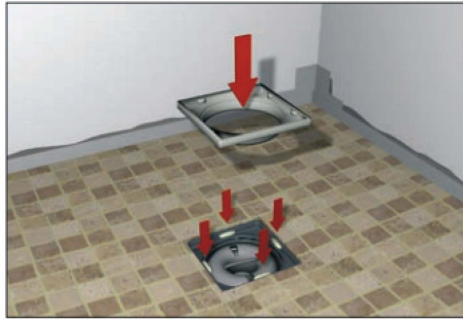
### Step 26

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.

### Step 27

After tiling the shower tray the shower drain top can be fitted. Gently place the shower drain top into the shower tray depending on your cutting skill, it may be necessary to file or sandpaper the cut edge to make it completely flat. Measure from the top of the finished tile to the top of the shower drain top. From the opposite end/bottom of the shower drain top mark the same distance as previously measured. Using a hard point saw, cut the excess from the bottom of the shower drain top.





### **Step 28**

Place a small blob of tile adhesive in the middle of all four sides of the shower drain hole in the shower tray. Gently ease the shower drain top into position in the shower tray. Leave to set for approximately 3 to 5 hours



### **Important Tiling Advice**

IT IS ESSENTIAL THAT YOU DO NOT USE A READY MIXED TILE ADHESIVE.

S1 FLEXIBLE CEMENT BASED POWDERED ADHESIVE MUST BE USED WITH TILEABLE SHOWER TRAYS.

The shower tray has slopes towards the drain pre-formed into the tray and these must be maintained when tiling as does the slope on the shower tray extension. If you use tiles that are larger than 100mm it is necessary to cut the tiles along the same lines as are pre-formed into the shower tray to maintain the slope. For best results and ease of installation we would recommend mosaics or tiles of 50mm to 100mm.

Tileable shower trays are perfect for use with electrical under tile heating due to its excellent thermal properties. It is however essential that you check with the manufacturer that their product is entirely suitable for the area that you intend to install it in. If you are installing under tile heating it is essential that you consider any areas that will need products fixed to the floor for example shower screens. Avoid installing under tile heating directly below any fixing point to avoid the risk of damage to the heating mat.