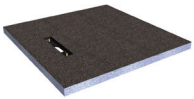
Installation Instructions

1850 x 50mm Linear Raised Shower Tray Kit

3.

Parts Supplied

Description		Qty
Shower Tray		1
Shower Tray Extension		1

Parts Supplied (Fitting Kit)

Description		Qty
Shower Drain Base		1
Shower Drain Angled Coupler		1
Shower Drain Reducer		1
Shower Drain Stop End		1
Shower Drain Vertical Waste Elbow		1
Shower Drain Internal Bowl		1
Shower Drain Top		1
Shower Drain Bolts		4
Shower Drain Finishing Grate		1
Disposable Tiling Aid		1

Description		Qty
Fix-KST Adhesive Bag (5kg)		2
Wood Floor Primer (250ml)		1
Fix-MD Adhesive Tube (310ml)		1
Waterproofing Tape (5m)		1
Pro-SEAL Pre-MIX 0.5L		1
Waterproofing Internal Corner		2
Notched Adhesive Trowel		1
Nylon Protective Gloves		1
Paintbrush		1

Tools required (not supplied)

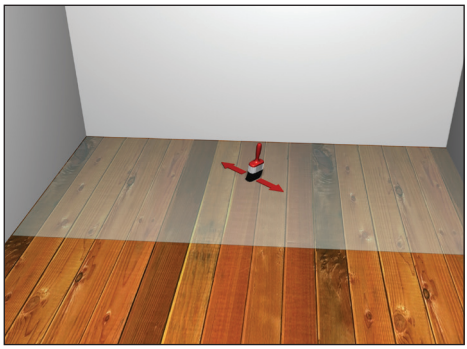
- Additional Paint Brush (wood floors only)
- Tape Measure
- Pencil
- Straight Edge
- Hard Point Saw
- Junior Hacksaw
- Eye Protection
- Level
- Breathing Protection
- Bucket
- Solvent Weld Waste Adhesive
- Sealant Gun
- Measuring Jug

Before You Start

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 Waterproofing Tape and Pro-SEAL Tape Sealer.
DO NOT PLACE STEP LADDERS OR HEAVY ITEMS ONTO THE SHOWER TRAY OR TRAY EXTENSION PRIOR TO TILING, AS THIS COULD PUNCH A HOLE THROUGH THE SURFACE.
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.

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.
If you are running your pipe work below the floor, the waste pipe must run in the same direction as your floor joists so please check your joists before starting installation.
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.

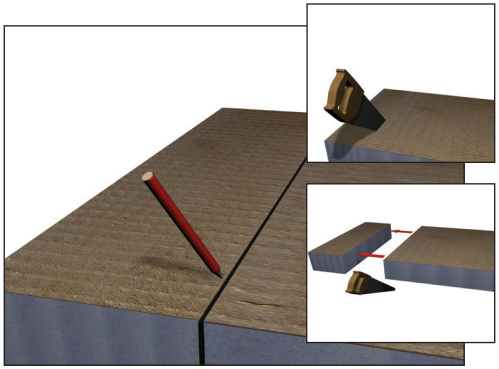


Step 1

(wood floors only)
If you are installing onto a wooden floor, make sure that the existing floor boards or sheets are fully secured down and as level and flat as possible. Paint the floor area where the shower will sit with the wood floor primer.
PVA MUST NOT BE USED IN PLACE OF THE WOOD FLOOR PRIMER.
Leave to dry for at least 2 hours.

Step 2

Measure the required overall length of the shower area with a tape measure. We would not recommend an area less than 1250mm in length because this would not allow a wide enough opening to get in and out of the shower easily.

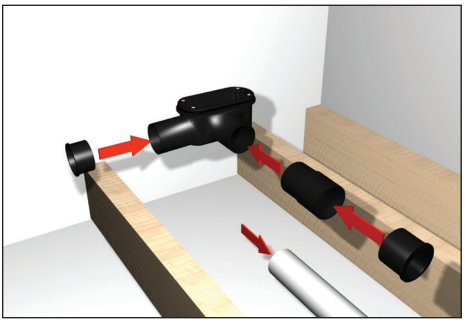


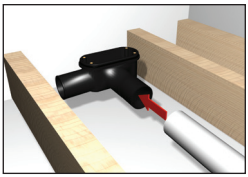
Step 3

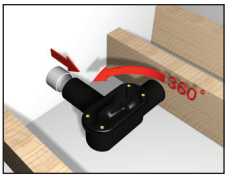
Note: The shower tray extension has a pre-built fall to avoid standing water. Ensure that the shower tray extension is the right way round before cutting. The overall pack length is 1850mm and any reduction required should be cut from the end of the shower tray extension. Carefully mark the cut position using a pencil and straight edge. Cut the tray carefully using a hard point saw. Lay the shower tray and shower tray extension into the required position to check the fit. Through the drain in the shower tray mark the floor to show where the drain will sit. Carefully remove the shower tray and shower tray extension and store somewhere safe.

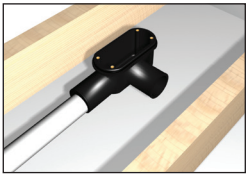
Step 4

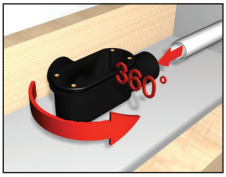
Remove flooring as necessary to carry out works to the wastepipe. Please note that if there is a joist in the way of the shower drain base you will need to consult a professional joiner or structural engineer for advice.





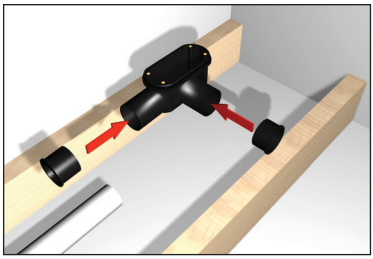




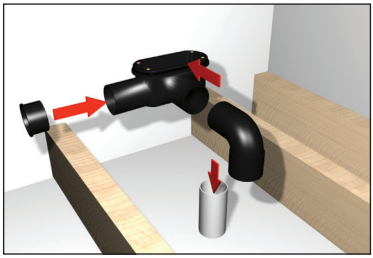


Step 5
Note: All solvent joints should be cleaned with an appropriate solvent weld cleaner prior to using solvent adhesive.

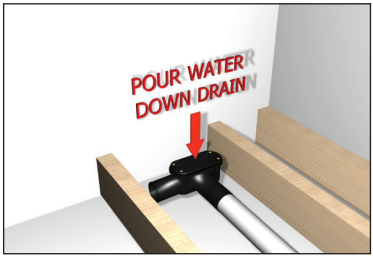
The waste has two outlets for multi direction waste flow. The outlet running at a ninety degree angle from the waste has a zero degree fall; this is to facilitate the fitting of the vertical waste elbow. If you plan to run the waste horizontally from this outlet you MUST fit the angled coupler supplied 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.



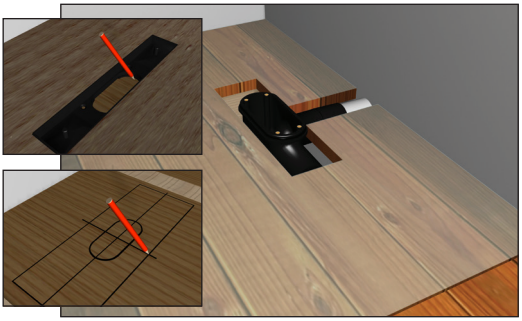
IMPORTANT: As the drain has two outlets, it is important that the outlet not being used is capped off using the stop end supplied. Spread solvent weld adhesive around the outside of the stop end and push into the linear drain outlet with a twisting action.



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.



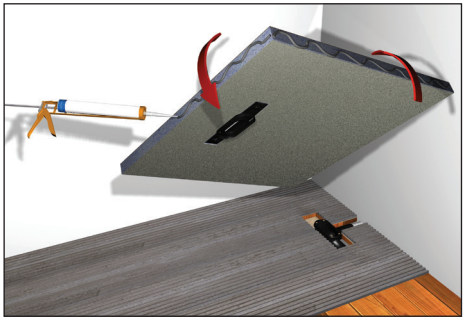
Note: The typical linear drain flow rate figure (42L/min) is based on using 2" waste pipe; by reducing the waste pipe diameter this will have an adverse affect on the flow rate achieved.
For water to drain away properly, the waste pipe must have a fall of 3cm per metre.

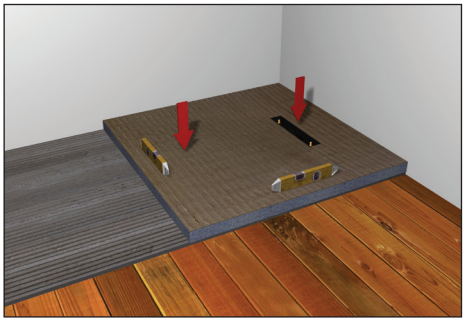


Step 6
Measure the shower drain base position on the floor and mark this onto the relevant flooring. The size of the cut-out needs to be 315mm x 90mm. Make sure that the drain's centre is in the middle of the cut-out.

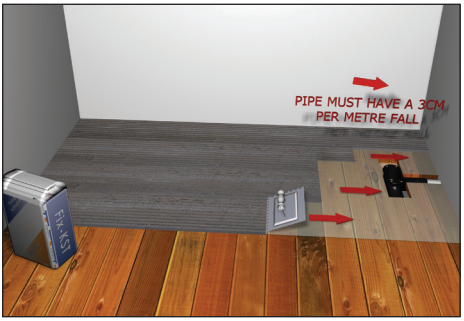
Using a jigsaw cut a hole in the plywood so that the shower drain base and shower drain connector will be exposed through the new floor.

Important: It only necessary to remove enough of the floor to expose the shower drain base.

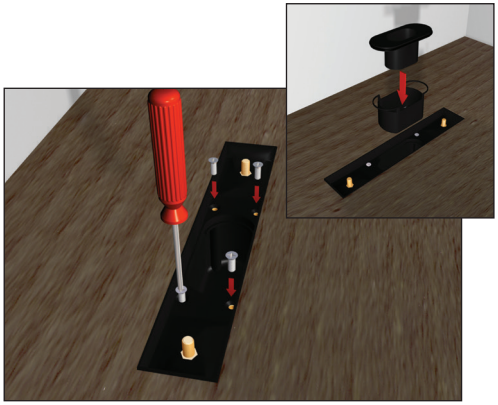




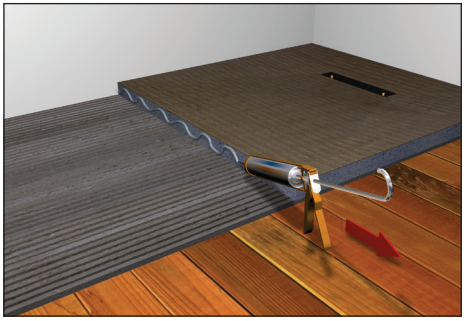
Step 8
Apply a wavy line of Fix-MD adhesive across the surface of the shower tray base.
Place the shower tray into position and bed down onto the adhesive cement. Check that the shower tray is level in both directions using a suitable level.



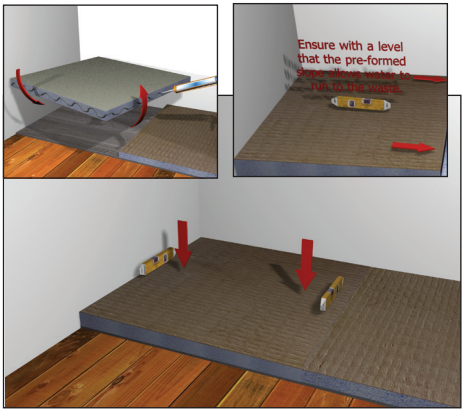
Step 7
Put on the protective gloves and wear eye and breathing protection.
Mix the 5kg bag of Fix-KST adhesive with approximately 1 Litre of water in a clean bucket which will give the adhesive a stiff consistency.
Spread the Fix-KST adhesive onto the floor of the shower position and drag the notched 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 9
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 place then ease in the drain top as shown applying a little gentle pressure so that it seats correctly.



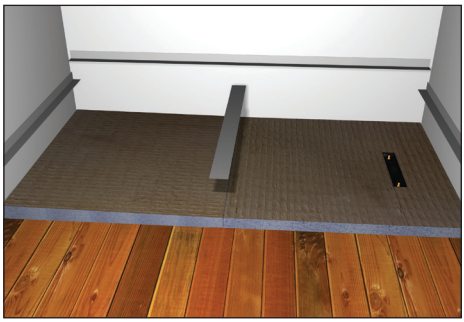
Step 10
Open the Fix-MD adhesive tube and squeeze a wavy line of adhesive along the edge of the shower tray that will join with the shower tray extension using a sealant gun.



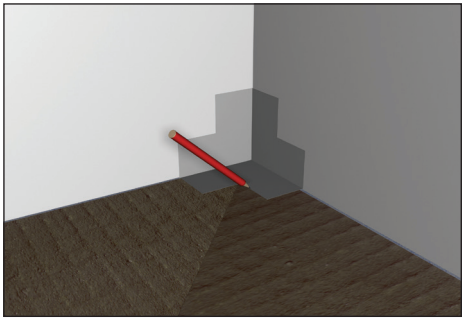
Step 11
Place the shower tray extension into position and bed down onto the adhesive. The shower tray extension needs to be level across the width of the tray but have a slight slope on the length towards the waste to allow water to run towards the drain. The slope is pre-formed into the shower tray extension so all you need to do is make sure that end of the shower tray extension is completely flat against the end of the shower tray. Check with a level that you have maintained the slight slope on the shower tray extension.

Leave to set for approximately 3 to 5 hours.

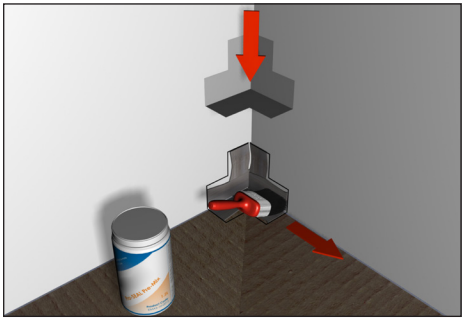
When sticking the tray down, it is a good practice to put some heavy weights (i.e. a bag of tile adhesive) on the tray whilst the adhesive cures. This ensures that the base sticks evenly to the floor.



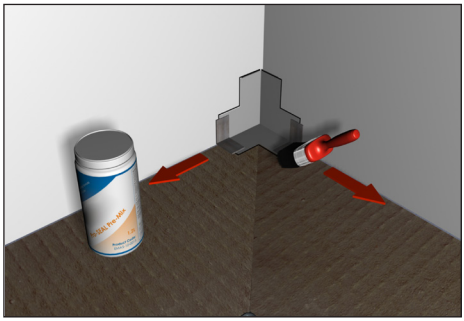
Step 12
From the roll of waterproofing tape cut three pieces the width of the shower area and one piece the length of the shower area. If the shower area is not wall to wall and is having a glass side panel you only need two pieces the width of the shower area not three.



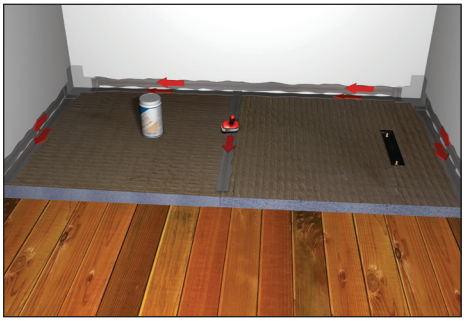
Step 13
Temporarily place the waterproofing internal corners into position and mark around them with a pencil. Once you have marked they can be removed. This is to show where you need to apply the Pro-SEAL tape sealer.



Step 14
Put on the protective gloves and wear eye and breathing protection.
Put on the protective gloves and wear eye and breathing protection. Using the Pro-SEAL Pre-MIX tape sealer and paintbrush, apply a thin layer of Pro-SEAL tape sealer to the internal corners of the shower area, slightly bigger than the pencil line marked in step 14.

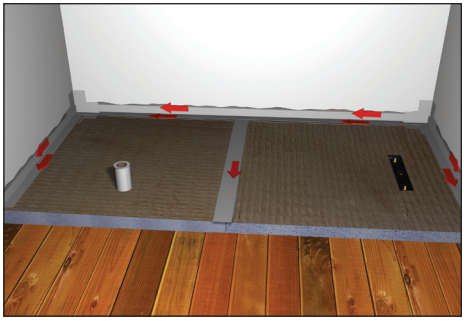


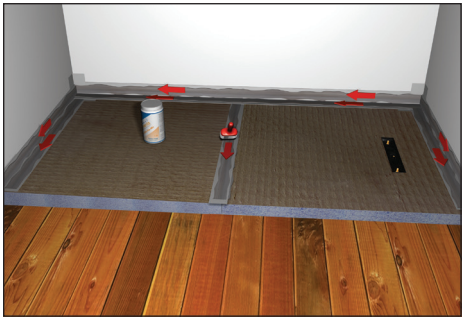
Step 15
Place the waterproofing internal corners into the internal corners of the shower area and push firmly into the Pro-SEAL tape sealer. Apply a further thin layer of Pro-SEAL tape sealer over the edges of the waterproofing internal corners.



Step 16
Where the shower area meets the wall apply a thin layer of Pro-SEAL tape sealer to the shower area and the adjoining wall approximately 60mm wide on both. Apply a thin layer of Pro-SEAL tape sealer across the joint between the shower tray and the shower tray extension to a width of approximately 120mm.

If the shower area is not wall to wall and is having a glass side panel you only need one waterproofing internal corner not two.





Step 17
Place the strips of waterproofing tape previously cut in step 12 along the edges of the shower area, folding half up the wall and half on the shower area as you go. Press firmly into the Pro-SEAL tape sealer and the tape should also overlap the waterproofing internal corners. Run the final strip of waterproofing tape across the joint between the shower tray and the shower tray extension making sure that it overlaps the tape along the edges. When you have finished you can remove the protective gloves and eye and breathing protection.

Step 18
IMPORTANT! Apply a further thin layer of Pro-SEAL Tape Sealer over the tape & corners to fully impregnate the tape.

Step 19
Leave to set for approximately 12 hours after which the tray is ready for tiling.
Please leave the weights on the tray while its curing to maintain the contact with the adhesive.

Important Tiling Advice

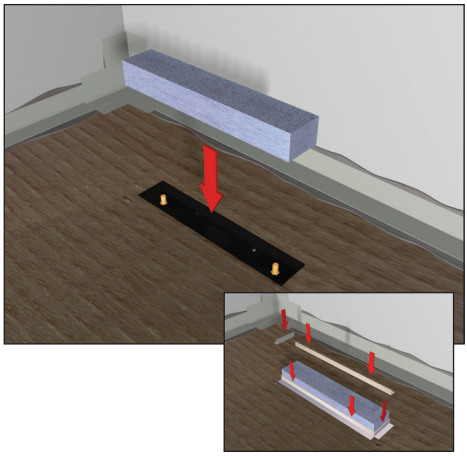
IT IS ESSENTIAL THAT YOU DO NOT USE A READY MIXED TILE ADHESIVE.

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

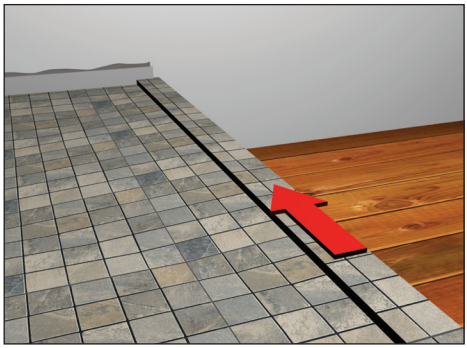
The shower tray has slopes towards the drain pre-formed into the tray and these must be maintained when tiling as does the slope on the shower tray extension.

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.

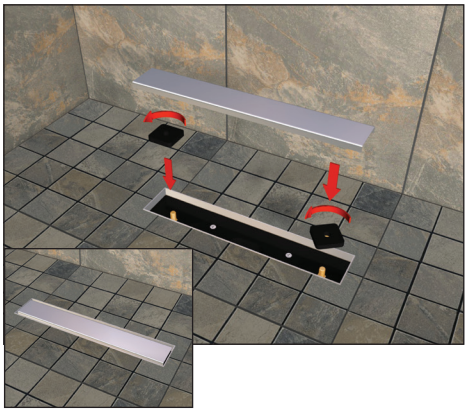
Tileable shower trays are perfect for use with electrical under tile heating due to its excellent thermal properties. It is however essential that you check with the manufacturer that their product is entirely suitable for the area that you intend to install it in. If you are installing under tile heating 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.



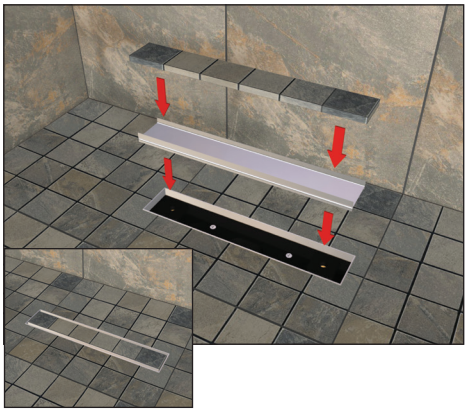
Step 21
Place the disposable tiling aid into the shower drain hole on the shower tray. The tiling aid provides the edge that needs to be tiled up to whilst protecting the drain from debris. At this stage we recommend fitting tile trim to create a clean finished edge for the waste cover.



Step 22 (Optional)
After tiling the base of the shower area, we recommend that you add a further narrow border of tiles approximately 30mm to 40mm wide, along the top of the outside edge to act as a water retainer, stopping water running out of the shower area. The tiling aid can now be removed and disposed of.



Step 23
The linear drain is supplied with 2 No. square black plastic height adjustment nuts. Screw these on to 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 24
Various options are available to accessorise the linear drain including a tileable drain cover option and several finishes of toughened glass drain cover 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.

Notes...

MADE IN THE UK