

Installation Instructions

40mm Standard Shower Trays

80mm Substrate Elements

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 (EMTM-05-0010) and Pro-DRY Tape Sealer (EMAS-10-0005).

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.

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.

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. ABACUS CANNOT BE HELD LIABLE FOR ISSUES ARISING DUE TO DAMAGE CAUSED IN THIS WAY.

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.


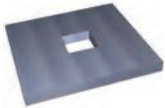
Tools required (not supplied)

- Paint Brush (Wood Floors Only)
- 6mm Notched Adhesive Trowel
- Tape Measure
- Pencil
- Straight Edge
- Hard Point Saw
- Junior Hacksaw
- Protective Gloves
- Eye Protection
- Breathing Protection
- Bucket
- Level
- Solvent Weld Adhesive
- Sealant Gun
- Measuring Jug



Installation Instructions

40mm Standard Shower Tray





Parts Supplied

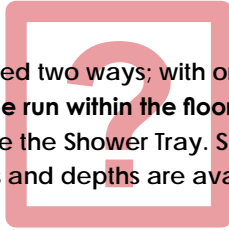
Description		Qty
Shower Tray		1
Shower Tray Substrate Element		1

Parts Required (Fitting Kit)

Description		Qty
Shower Drain Base		1
Shower Drain Socket		1
Shower Drain Reducer		1
Shower Drain Internal Bowl		1
Shower Drain Internal Dome		1
Shower Drain Top		1
Disposable Tiling Aid		1
Shower Drain Finishing Grate		1

Materials Required

Description		Qty
Board Fixing Adhesive Bag (5kg)		2
Wood Floor Primer (250ml)		1
Sealing & Mounting Adhesive Tube (310ml)		1
Waterproofing Tape (5m)		1
Premix waterproof tape sealing compound (500ml)		1
Waterproofing Internal Corner		2
Notched Adhesive Trowel		1
Nylon Protective Gloves		1
Paintbrush		1



Shower Trays can be installed two ways; with or without a Substrate Element. **If your waste pipe cannot be run within the floor joists below you may** require a Substrate Element to raise the Shower Tray. Substrate Elements of different sizes and depths are available.

If you are installing a Shower Tray only (wastepipe installed in floor joists below) follow Installation A. (Page 3)

If you are installing a Shower Tray and Substrate Element follow Installation B. (Page 9)

Installation A: Fitting A Shower Tray Only



1. 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.



2. For water to drain away properly, the waste pipe must have a fall of at least 3cm per metre. The waste pipe must be properly supported to hold its own weight and that of the Shower Drain. Connect the Shower Drain to your waste pipe using a 2" solvent weld connector. Once the solvent weld has set, pour water down the drain to check the waste is not blocked and there are no leaks. Replace the flooring ensuring that an adequate hole has been cut to allow for the Shower Drain to be exposed through the floor.

Please note: The hole size should be no bigger than 180 x 180mm. Smear some lubricant around the black rubber seal on the Shower Drain.



3. Note: Wear protective gloves, eye and breathing protection. Mix the board fixing adhesive according to manufacturer's instructions to give the adhesive a stiff consistency. Spread the board fixing adhesive onto the floor of the shower position and drag a 6mm 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.

4. 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.



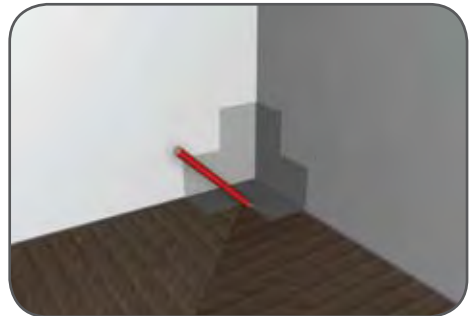
5. Put your fingers through the drain hole in the Shower Tray. Push down on the Shower Tray and pull the Shower Drain upwards until it clicks into place into the drain hole in the Shower Tray.



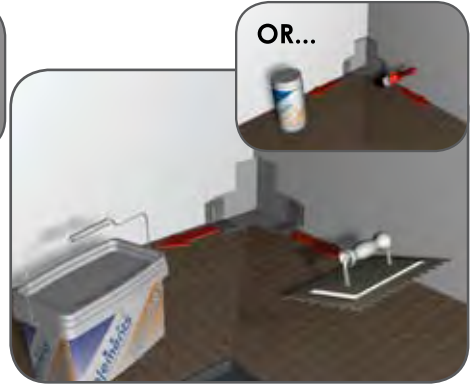
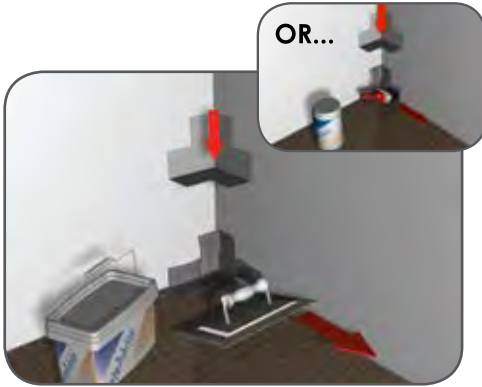
6. Ease the Shower Drain Internal Bowl into the Shower Drain. Ease the Shower Drain Internal Dome into the Shower Drain. When you have finished you can remove the protective gloves and eye and breathing protection.



7. You will need to tape all joints where the tray meets the adjoining wall/s. Cut lengths from the roll of Waterproofing Tape and set aside for the moment.



8. Temporarily place the Waterproofing Internal Corners into position and mark around them with a pencil. Once you have marked they can be set aside for the moment. This is to show where you need to apply the tape sealer.



9.
Note: Wear protective gloves, eye and breathing protection.
 Using the non-notched end of the notched adhesive trowel, apply a thin layer of tape sealer to the internal corners of the shower area, slightly bigger than the pencil line marked in Step 8.

10. 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.



11. Where the shower area meets the wall apply a thin layer of tape sealer to the shower area and the adjoining wall approximately 60mm wide on both.

12. Place the strips of Waterproofing Tape previously cut in step 7 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 tape sealer and the tape should also overlap the Waterproofing Internal Corners. 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 tray is ready for tiling.

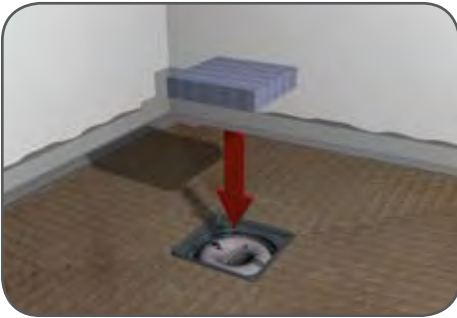
Important Tiling Advice

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

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

The Shower Tray has slopes towards the drain pre-formed into the tray and these must be maintained. 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.

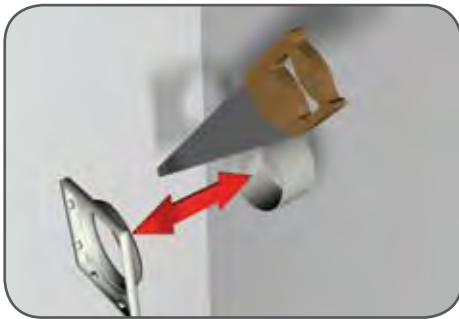
Shower Trays are perfect for use with electrical under tile heating due to their excellent thermal properties. It is however essential that you check with the manufacturer that their product is entirely suitable for the area that you intend to install it in. If you are installing under tile heating it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



13. Place the Disposable Tiling Aid, available separately, 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 Shower Drain from debris.



14. 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.



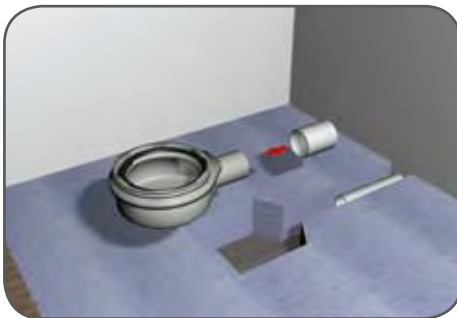
15. After filing the Shower Tray, the Shower Drain Top can be fitted. Gently place the Shower Drain Top into the Shower Tray. Measure from the top of the finished file to the top of the Shower Drain Top. From the opposite end/bottom of the Shower Drain Top mark the same distance as previously measured. Using a hard point saw, cut the excess from the bottom of the Shower Drain Top. Depending on your cutting skill, it may be necessary to file or sandpaper the cut edge to make it completely flat.

16. 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. Fill the gap between the edges of the Shower Drain Top and the start of the tiles with the same grout used during filing. Place the Shower Drain Finishing Grate into position. Leave to dry for at least 24 hours before using the shower.

Installation B: Fitting A Shower Tray and Substrate Element



1. **Note:** Wear protective gloves, eye and breathing protection. Mix the board fixing adhesive according to manufacturer's instructions to achieve a stiff consistency. Spread the board fixing adhesive onto the floor of the shower position and drag a 6mm 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.
2. Place the Substrate Element into position and bed down onto the adhesive cement. Check that the Substrate Element is level in both directions using a suitable level.



3. For water to drain away properly, the waste pipe must have a fall of at least 3cm per metre. The waste pipe must be properly supported to hold its own weight and that of the Shower Drain. Connect the Shower Drain to your waste pipe using a 2" solvent weld connector. Once the solvent weld has set; pour water down the drain to check that the waste is not blocked and that there are no leaks.



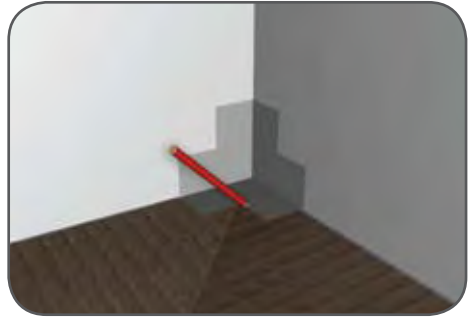
4. Spread board fixing adhesive across the surface of the Substrate Element. Lower the Shower Tray onto the Substrate Element and push firmly into position. Check with a level that the edges of the Shower Tray are level in both directions.
5. Put your fingers through the drain hole in the Shower Tray. Push down on the Shower Tray and pull the Shower Drain upwards until it clicks into place into the drain hole in the Shower Tray.



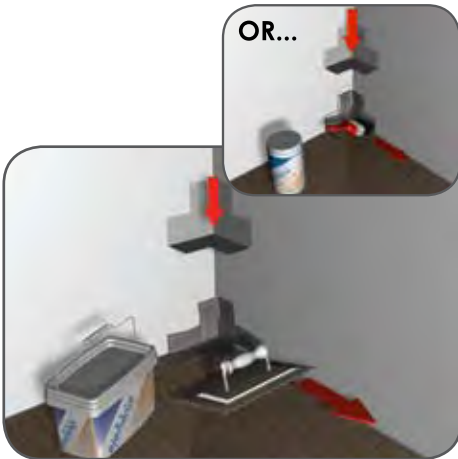
6. Ease the Shower Drain Internal Bowl into the Shower Drain. Ease the Shower Drain Internal Dome into the Shower Drain. When you have finished you can remove the protective gloves and eye and breathing protection.



7. You will need to tape all joints where the tray meets the adjoining wall/s. Cut correct lengths from the roll of Waterproofing Tape and set aside for the moment.



8. Temporarily place the Waterproofing Internal Corners into position and mark around them with a pencil. Once you have marked they can be set aside for the moment. This is to show where you need to apply the tape sealer.



9. **Note:** Wear protective gloves, eye and breathing protection. Using the non-notched end of the notched adhesive trowel, apply a thin layer of tape sealer to the internal corners of the shower area, slightly bigger than the pencil line marked in Step 8.



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Leave to set for approximately 3 to 5 hours after which the tray is ready for tiling.

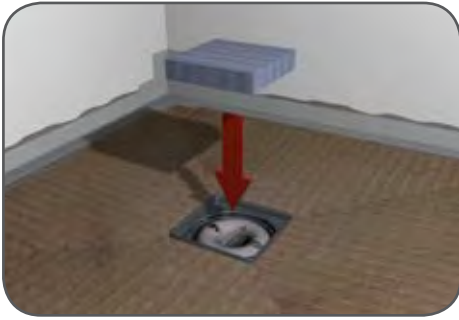
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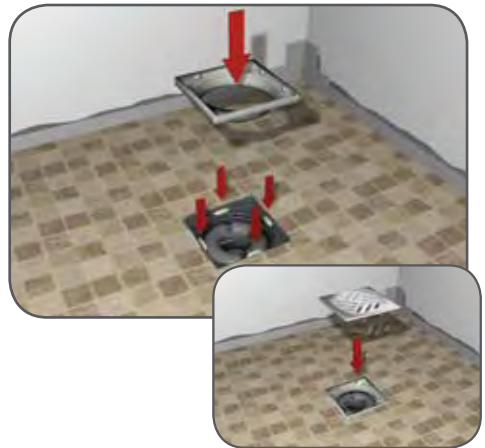
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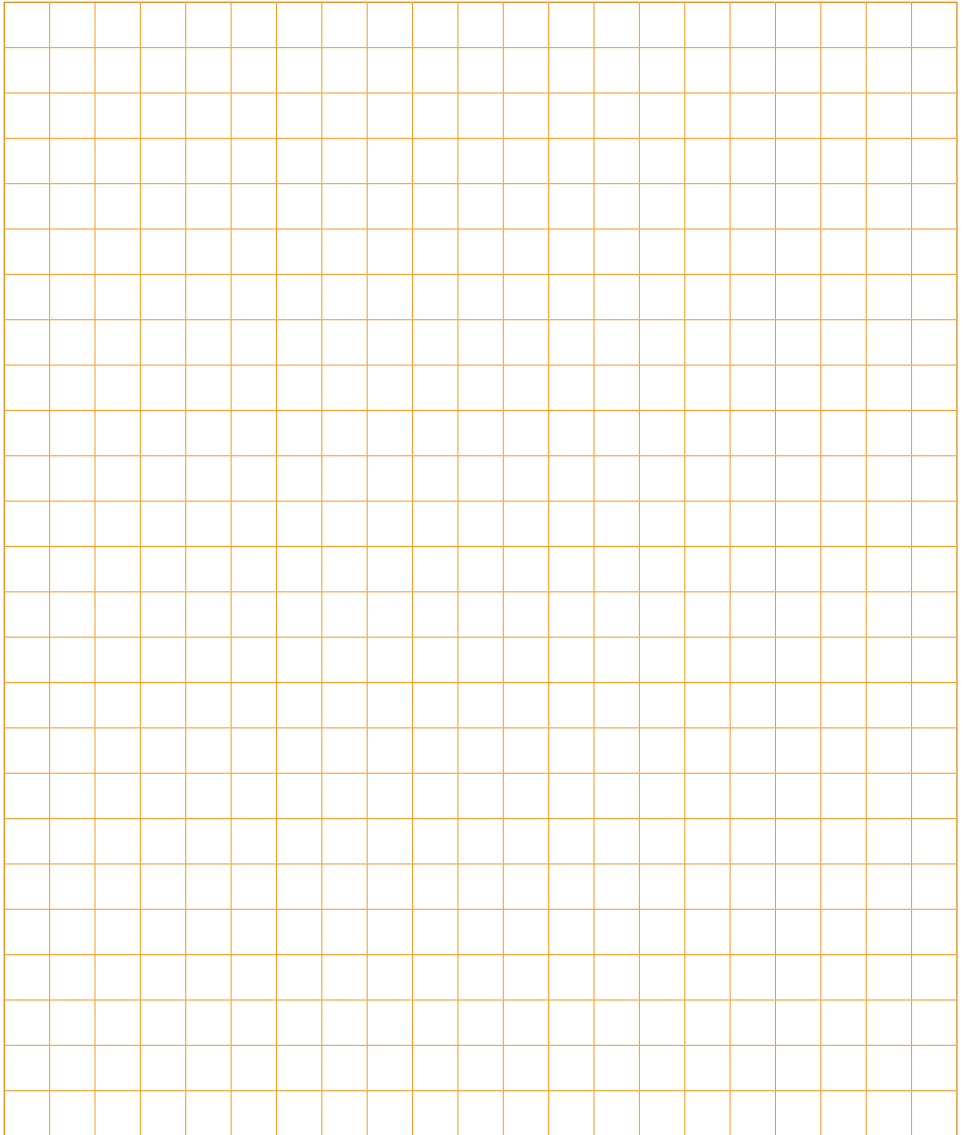


15. After tiling the Shower Tray, the Shower Drain Top can be fitted. Gently place the Shower Drain Top into the Shower Tray. Measure from the top of the finished tile to the top of the Shower Drain Top. From the opposite end/ bottom of the Shower Drain Top mark the same distance as previously measured.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



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Notes...



Due to our commitment to continuous product development we reserve the right to alter specifications without notice. Products are guaranteed against manufacturing defects for the first purchaser only and the guarantee is non-transferable. Our liability under any guarantee expressed or implied is strictly limited to replacement of defective goods or a refund at our discretion and no consequential losses will be entertained. Proof of purchase will be required.