

Installation Instructions

30mm Height Standard Waste Shower Trays

(Requires waste fitting kit – to be purchased separately)

Parts Supplied

Description		Qty
Shower Tray		1

Parts Required (not supplied)

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 Ring		1
Shower Drain Top		1
Shower Drain Finishing Grate		1

Description		Qty
Cement Adhesive Bag		*
Wood Floor Primer		*
Waterproofing Tape		*
Sealing Tape Adhesive		*
Waterproofing Internal Corner		*
Protective Gloves		1
Paintbrush		1

*Quantities may vary according to installation.

Additional Parts required (depending on installation type)

- 10mm Marine Plywood (size depends on room)
- Cement Based Flexible Tile Adhesive
- 90mm Substrate Element
- Timber Battens (approx 20mmx50mm)
- 18mm Marine Plywood (approx size of shower tray required)
- Waterproof Matting

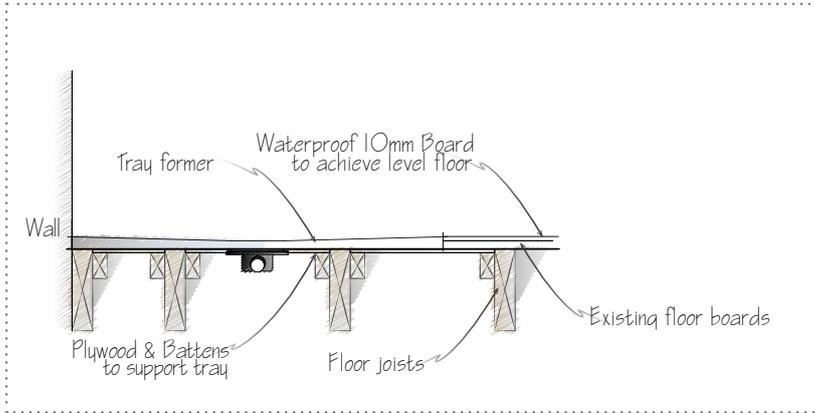
Tools required (not supplied)

- Paint Brush (Wood Floors Only)
- 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

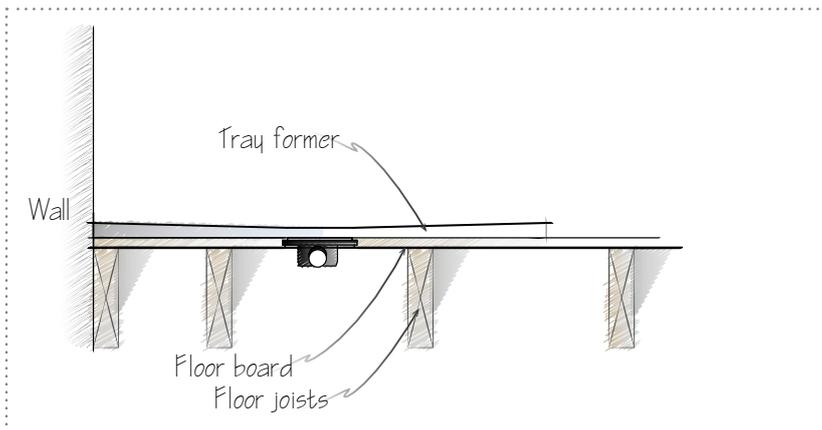
Before You Start

THIS PRODUCT CAN BE INSTALLED IN THE FOLLOWING THREE WAYS

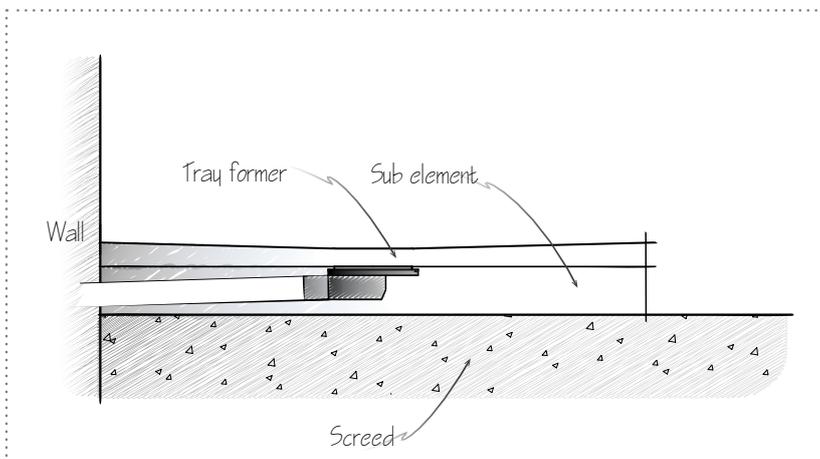
A Tiled shower base installed onto an existing timber floor.



B Level access wetroom tiled shower tray built into existing flooring.



C Installation using a 90mm substrate element (to be purchased separately)



Please decide how you are installing your tray and follow either section A, page 4, section B, page 9 or section C, page 16 in the following instructions

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 Sealing Tape Adhesive.

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. WE 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.

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.

Section A

Installation Type **A** Surface installation (onto timber floor)



Step 1

Mark the shower tray position onto the floor, the shower tray is 1200mm x 900mm. Measure the position of the waste hole in the shower tray. Carefully remove the shower tray and store somewhere safe.

Note: we recommend that the shower tray should wherever possible be butted up against the corner of the room.



Step 2

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 3

40mm Wastepipe Only. Solvent weld the shower drain reducer into the shower drain connector.

40mm & 50mm Wastepipe.

The wastepipe 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 wastepipe with a twisting action. 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.

Note: Replace the flooring ensuring that an adequate hole has been cut to allow for the Shower Drain to be exposed through the floor.

The hole size should be no bigger than 180 x 180mm (square shape)

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



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



Step 4

Put on the protective gloves and wear eye and breathing protection. Mix one of the bags of cement 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 cement 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.



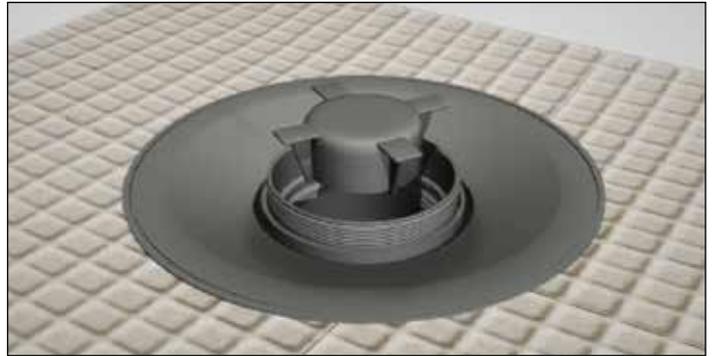
Step 5

Apply a wavy line of Fix-MD 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. For better adhesion, the shower tray should then be evenly weighted.



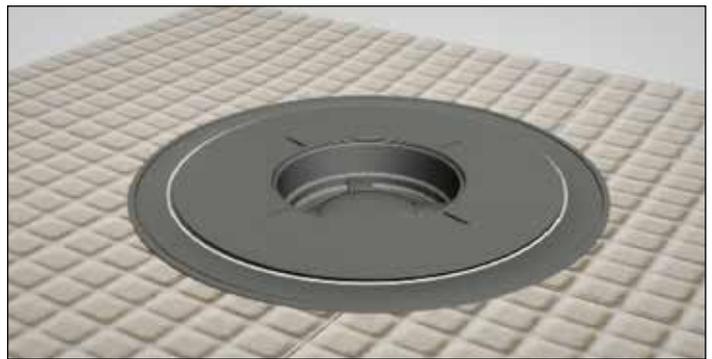
Step 6

Gently push the shower drain internal bowl into the shower drain base. Place the shower drain internal dome into the shower drain base then lock into position with a clockwise movement.



Step 7

Run a thin bead of silicone or Fix-MD around the perimeter edge of the drain top as shown above.



Step 8

Place the Shower Drain ring over the Shower Drain Base then hand tighten in a clockwise movement to clamp the two parts to the shower tray therefore creating a watertight seal.



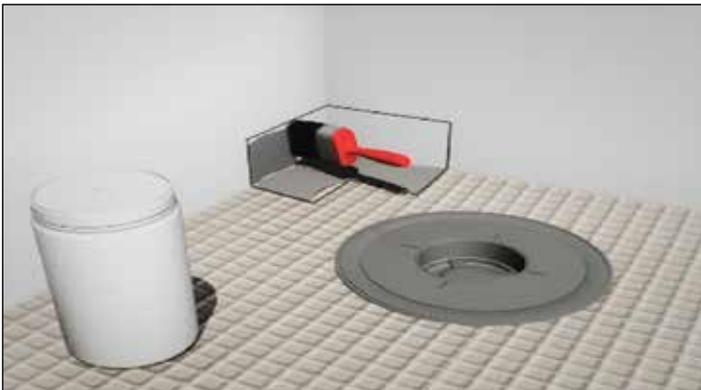
Step 9

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



Step 10

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 sealing tape adhesive.



Step 11

Put on the protective gloves and wear eye and breathing protection. Using the Pro-SEAL Pre-MIX tape sealer and a paintbrush, apply a thin layer of sealing tape adhesive to the internal corners of the shower area, slightly bigger than the pencil line marked in step 10.



Step 12

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



Step 13

Apply a thin layer of sealing tape adhesive to one edge of the floor and adjoining wall approximately 60mm wide on each.

Press the waterproofing tape firmly into the sealing tape adhesive, 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 14

Apply strips of waterproofing tape across all joints and fixing plates using sealing tape adhesive 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

Steps 15-19 are after the Important Tiling Advice.



IMPORTANT TILING ADVICE

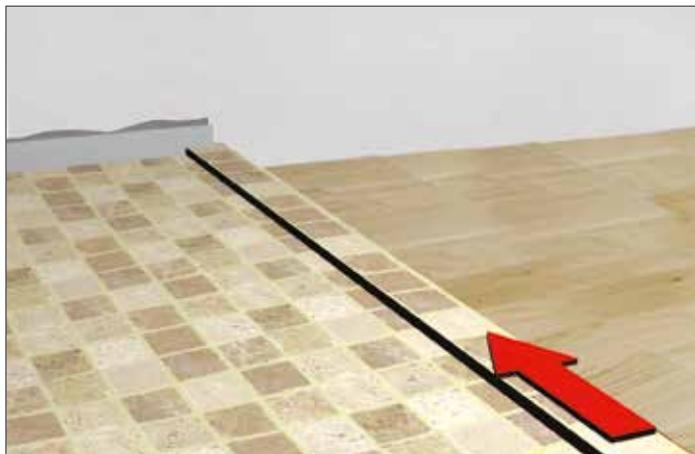
IT IS ESSENTIAL THAT YOU DO NOT USE A READY MIXED TILE ADHESIVE.

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.

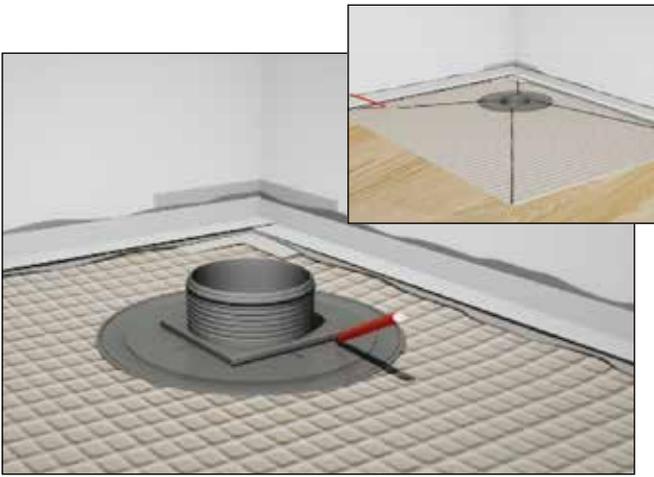
If you use tiles that are larger than 100mm it is necessary to cut the tiles along the same lines as are pre-formed into the shower tray to maintain the slope. For best results and ease of installation we would recommend mosaics or tiles of 50mm to 100mm.

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 15 (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.



Step 16

Place the Shower Drain Top face down over the centre of the drain hole then mark around it with a pencil. Mark a line from each of the four corners of the drain top to each corresponding corner of the Shower Tray,

These lines act as tiling guidance for the tray falls and also the tile up to point for the shower drain top.



Step 17

After tiling the shower tray the shower drain top can be fitted. Gently place the shower drain top into the shower tray then 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.



Step 18

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.

Refit the rubber o-ring on to the lowest remaining groove. Gently place the shower drain top into the shower tray



Step 19

Fill the gap between the edges of the shower drain top and the start of the tiles with the same grout used during tiling. Place the shower drain finishing grate into position.

Leave to dry for at least 24 hours before using the shower.

Section B

Installation Type

B

Level Access installation (onto timber floor)

Step 1

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.

Note: we recommend that the shower tray should wherever possible be butted up against the corner of the room.



Step 2

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 1. 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.



Step 3

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

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

Step 5

40mm Wastepipe Only. Solvent weld the shower drain reducer into the shower drain connector.

40mm & 50mm Wastepipe.

The wastepipe 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 wastepipe with a twisting action. 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.

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



Step 6

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 20mm x 50mm) to length and screw at approximately 150mm intervals to the inside of all joists 18mm below the top of the joists.



Step 7

Cut some 18mm plywood to fit between the joists on top of the batten fitted in step 6.

Step 8

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 that the shower drain base and shower drain socket 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.

Please Note: the hole size should be no bigger than 180 x 180mm (square shape).



Step 9

Before proceeding, check thoroughly for pipes and wires.

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 3 and securely screwed down onto the new plywood.



Step 10

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 (A) and store somewhere safe.



Step 11

Put on protective gloves and wear eye and breathing protection.

Paint the new plywood area with wood floor primer. When you have finished you can remove the protective gloves and eye and breathing protection.

Leave to dry for at least 2 hours.



Step 12

Put on the protective gloves and wear eye and breathing protection.

Mix the cement based flexible tile adhesive in accordance with the adhesive manufacturer's guidelines in a clean bucket. Where the shower tray will sit, spread the adhesive onto the floor and drag a 4mm 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 13

Apply an even thick wavy line of board adhesive across all four edges of the shower tray. 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.

For better adhesion, the shower tray should then be evenly weighted.



Step 14

Gently push the shower drain internal bowl into the shower drain base. Place the shower drain internal dome into the shower drain base then lock into position with a clockwise movement.



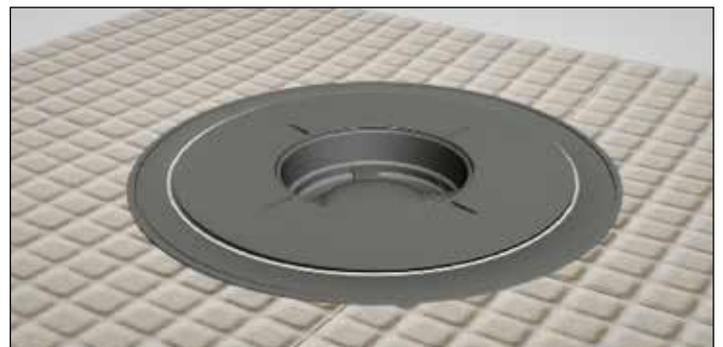
Step 15

Run a thin bead of silicone or board adhesive around the perimeter edge of the drain top as shown above.



Step 16

Place the Shower Drain ring over the Shower Drain Base then hand tighten in a clockwise movement to clamp the two parts to the shower tray therefore creating a watertight seal.



Step 17

Lay and secure 10mm marine plywood board across the remainder of the bathroom ensuring that the finished area is level.

Alternatively, you may want to install 2440x600x10mm waterproof board in place of the marine plywood. This is much lighter, easier to cut and retains heat much better than plywood.

Note: The floor is designed to be fitted level, however water will sit on a flat surface so it is advisable to fit a suitable shower enclosure or screen to help contain the water and optionally, underfloor heating so that any water egress will quickly evaporate.



Step 18

Measure, cut with a safety blade then lay Waterproof Matting in strips to cover the remainder of the floor area around the shower tray allowing a 50mm overlap over the Waterproof Matting strips and 50mm up the edges of each wall. Also allow a 50mm overlap over the shower tray edges. Set the strips of Waterproof Matting to one side.



Step 19

Put on the protective gloves and wear eye and breathing protection. Mix the remainder of the cement based flexible tile adhesive in accordance with the adhesive manufacturer's guidelines in a clean bucket. Where the first strip of waterproof matting will lay, spread the adhesive across the surface and 50mm up the wall as appropriate. A notched adhesive trowel will make a ribbed pattern which will leave just the right amount of adhesive on the floor.

Lay the strip of Waterproof Matting over the adhesive, ensuring no air bubbles are trapped between the adhesive and matting.



Step 20

Spread some adhesive across the floor surface and 50mm over the previously laid strip of Waterproof Matting. A notched adhesive trowel will make a ribbed pattern which will leave just the right amount of adhesive on the floor.



Step 21

Lay the next strip overlapping the last by 50mm and repeat Steps 19 & 20 ensuring that the adhesive and matting overlaps the walls, tray and each strip by 50mm to create a waterproof seal until the floor area around the tray is tanked out.



Step 20

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 sealing tape adhesive.



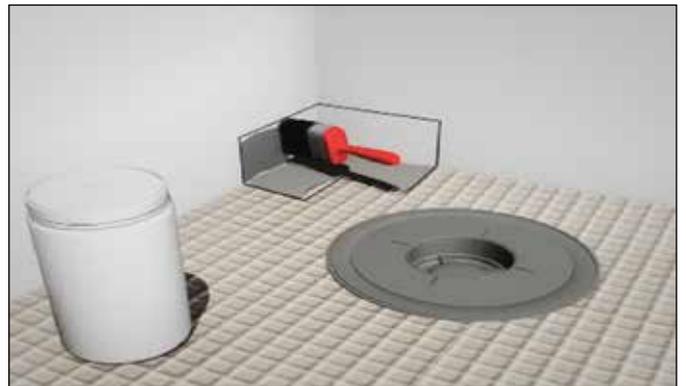
Step 21

Put on the protective gloves and wear eye and breathing protection. Using the Pro-SEAL Pre-MIX tape sealer and a paintbrush, apply a thin layer of sealing tape adhesive to the internal corners of the shower area, slightly bigger than the pencil line marked in step 20.



Step 22

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



Step 23

Apply a thin layer of sealing tape adhesive to one edge of the floor and adjoining wall approximately 60mm wide on each.

Press the waterproofing tape firmly into the sealing tape adhesive, 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 24

Apply strips of waterproofing tape across all joints and fixing plates using sealing tape adhesive 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

Steps 25-28 are after the Important Tiling Advice.



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.

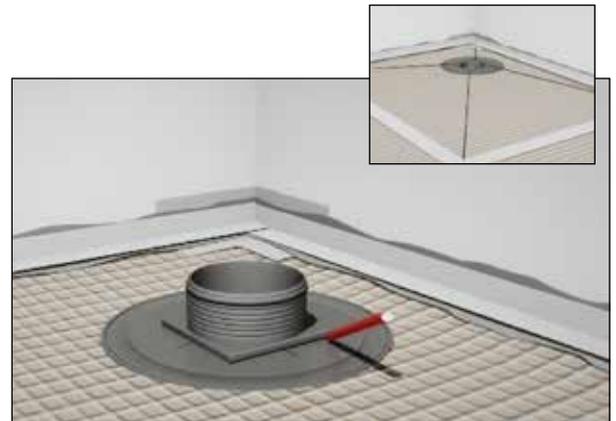
If you use tiles that are larger than 100mm it is necessary to cut the tiles along the same lines as are pre-formed into the shower tray to maintain the slope. For best results and ease of installation we would recommend mosaics or tiles of 50mm to 100mm.

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 25

Place the Shower Drain Top face down over the centre of the drain hole then mark around it with a pencil. Mark a line from each of the four corners of the drain top to each corresponding corner of the Shower Tray,

These lines act as tiling guidance for the tray falls and also the tile up to point for the shower drain top.



Step 26

After tiling the shower tray the shower drain top can be fitted. Gently place the shower drain top into the shower tray then 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.



Step 27

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.

Refit the rubber o-ring on to the lowest remaining groove. Gently place the shower drain top into the shower tray



Step 28

Fill the gap between the edges of the shower drain top and the start of the tiles with the same grout used during tiling. Place the shower drain finishing grate into position.

Leave to dry for at least 24 hours before using the shower.



Section C

Installation Type **C**

Fitting a shower tray and substrate element



Step 1

Put on the protective gloves and wear eye and breathing protection. Mix one of the bags of cement 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 cement 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 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.



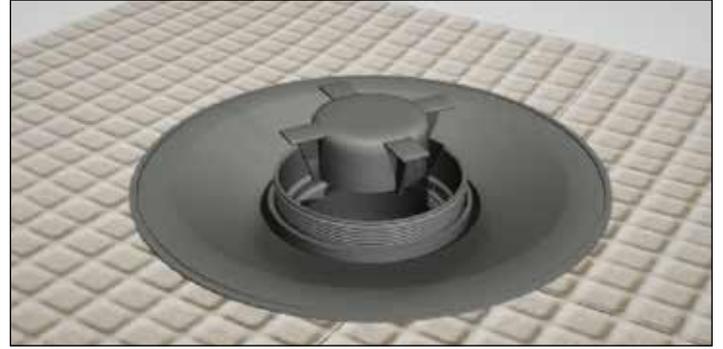
Step 3

For water to drain away properly, the wastepipe must have a fall of at least 3cm per metre. The wastepipe must be properly supported to hold its own weight and that of the Shower Drain. Connect the Shower Drain to your wastepipe 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.



Step 4

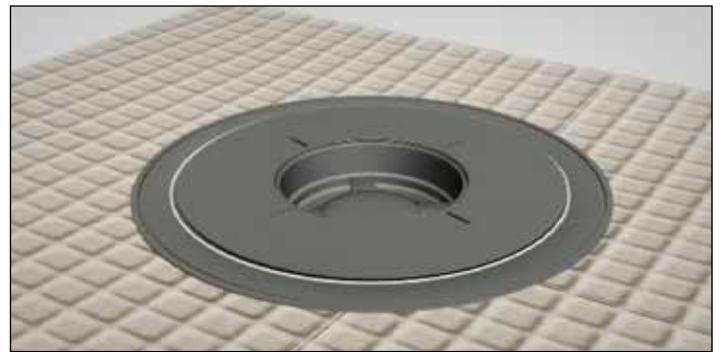
Spread cement adhesive across the surface of the Substrate Element. Lower the Shower Tray onto the Substrate Element and push firmly into position. Check with a level that the edges of the Shower Tray are level in both directions. For better adhesion, the shower tray should then be evenly weighted.



Step 5
Gently push the shower drain internal bowl into the shower drain base. Place the shower drain internal dome into the shower drain base then lock into position with a clockwise movement.



Step 6
Run a thin bead of silicone or Fix-MD around the perimeter edge of the drain top as shown above.



Step 7
Place the Shower Drain ring over the Shower Drain Base then hand tighten in a clockwise movement to clamp the two parts to the shower tray therefore creating a watertight seal.



Step 8
You will need to tape all joints where the tray meets an adjoining wall/s. Cut lengths from the roll of Waterproofing Tape and set aside for the moment.

Step 20

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 sealing tape adhesive.



Step 21

Put on the protective gloves and wear eye and breathing protection. Using the sealing tape adhesive and a paintbrush, apply a thin layer of sealing tape adhesive to the internal corners of the shower area, slightly bigger than the pencil line marked in step 20.



Step 22

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



Step 23

Apply a thin layer of sealing tape adhesive to one edge of the floor and adjoining wall approximately 60mm wide on each.

Press the waterproofing tape firmly into the sealing tape adhesive, 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 24

Apply strips of waterproofing tape across all joints and fixing plates using sealing tape adhesive 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

Steps 25-29 are after the Important Tiling Advice.



IMPORTANT TILING ADVICE

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

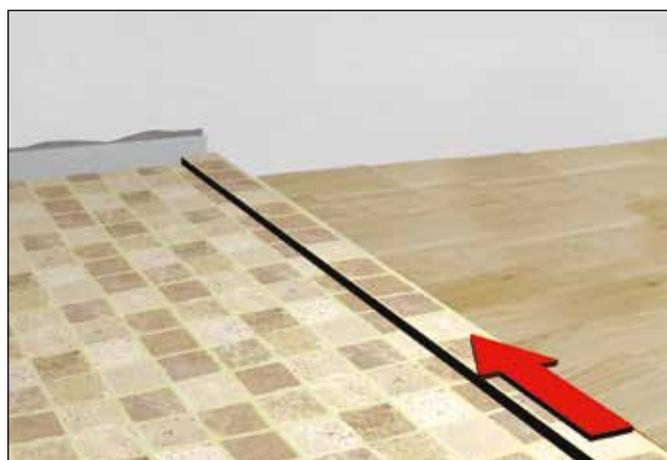
The shower tray has slopes towards the drain pre-formed into the tray and these must be maintained when tiling as does the slope on the shower tray extension.

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 25 (Optional)

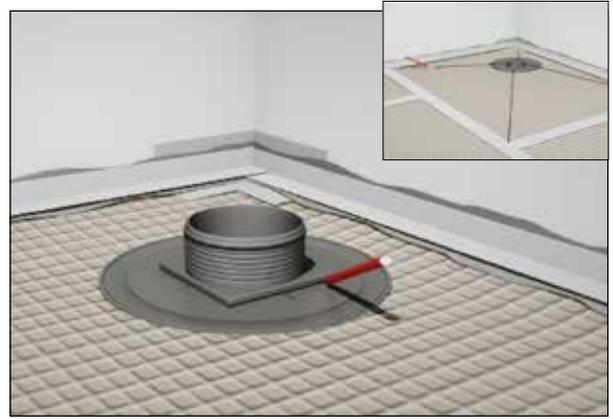
After tiling the base of the shower area, we recommend that you add a further narrow border of tiles approximately 30mm to 40mm wide, along the top of the outside edge to act as a water retainer, stopping water running out of the shower area.



Step 26

Place the Shower Drain Top face down over the centre of the drain hole then mark around it with a pencil. Mark a line from each of the four corners of the drain top to each corresponding corner of the Shower Tray,

These lines act as tiling guidance for the tray falls and also the tile up to point for the shower drain top.



Step 27

After tiling the shower tray the shower drain top can be fitted. Gently place the shower drain top into the shower tray then 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.



Step 28

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.

Refit the rubber o-ring on to the lowest remaining groove. Gently place the shower drain top into the shower tray



Step 29

Fill the gap between the edges of the shower drain top and the start of the tiles with the same grout used during tiling. Place the shower drain finishing grate into position.

Leave to dry for at least 24 hours before using the shower.

