Installation Instructions

Solutions Shower Trays

226CAF 1214RN

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Before you Start

Please read these instructions fully before starting. Although these instructions are comprehensive we always recommend that a technically competent installer undertake the installation.

Unpack and lay the tray flat in a warm room to acclimatise. Check that the shower tray is the colour, size, shape and type you require. Ensure that you have all relevant parts listed. **Do not install if not satisfied and contact your local supplier.**

Check that the top surface of the shower tray is compatible with your intended shower enclosure, taking into account the loss of dimension that will result after tiles etc have been fitted.

The compatibility of the top surface of the tray and an enclosure is especially important if using a shower tray with a built in tiling upstand.

If you install this shower tray in conjunction with a steam unit, you must ensure the steam outlet is at a minimum of 350mm from the top of the tray.

When considering your installation method, you should be able to attach or repair your waste or waste outlet in-situ.

Important

When handling your shower tray take care not to damage the bottom edges and when installing take particular care to protect the visible surfaces from impact damage or abrasions.

Safety Notes

Caution: Care must be taken when drilling into walls or floors to avoid hidden pipes or electrical cables.

Care & Use of Your Shower Tray

These installation instructions should be retained and passed to the user for possible future reference.

It is normal for small amounts of localized water to be retained on the shower tray surfaces after use which should be wiped dry immediately to prevent build up of sediments.

The shower tray and panels should be cleaned regularly with warm, soapy water only and dried with a cloth. Never use scourers, abrasives, bleach or other chemical cleaners.

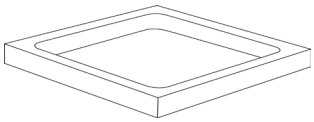
Technical Help

Technical Service Line: 0845 505 2211 / 01684 293311 Open Mon–Fri 9am–5pm

Dimensions are nominal and shown in millimetres unless otherwise stated.

Parts Supplied

A



Qty 1

Shower Tray*

B

supplied with square, rectangular and pentangle trays only

Qty 2

supplied with quad and offset quad trays only

Qty 1

Straight or Curved Tray Panels

C

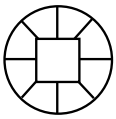
Qty 8

D

Qty 8

Leg Mounting Brackets (Ref C)
Threaded Leg Tubes (Ref D)

E



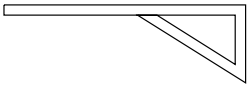
Qty 8

F

Qty 44

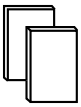
Circular Base Plates (Ref E)
Leg and Panel Screws (Ref F)

G



Qty 6

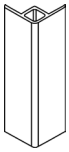
H



Qty 6

Panel Upright Brackets (Ref G)
Hook and Loop Pads (Ref H)

I



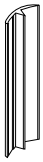
Qty 3

J

Qty 2

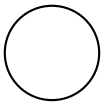
Corner/End Brackets (Ref I)
Joining Brackets (Ref J)

K



Qty 2

L



Qty 8

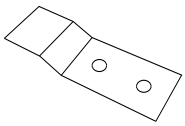
Pentangle Brackets (Ref K)
Circular Adhesive Pads (Ref L)

M

Qty 1

High Flow Waste Unit

N



Qty 4

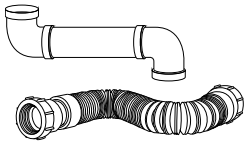
O

Qty 8

Floor Brackets (Ref N)
Floor Bracket Screws (Ref O)

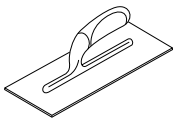
*Shape of tray may differ from illustration

Tools and Materials Required **(not supplied)**

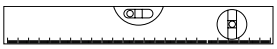


Plumbing Pipe and Fittings

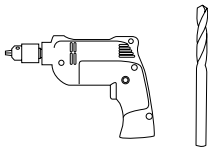
Compound or Contact Adhesive



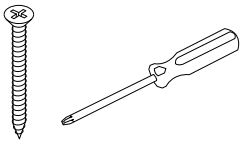
Trowel



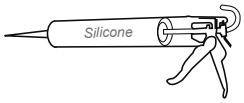
Spirit Level



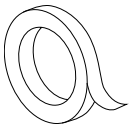
Power Drill & Drill Bits



Floor Screws and Screwdriver

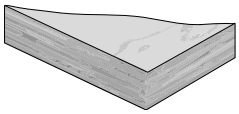


Silicone Sealant



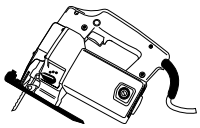
Masking Tape

Safety Eyewear

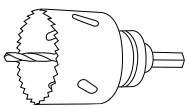


Plywood Board (min 18mm thick)

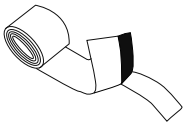
Pencil



Jigsaw



Hole Cutter

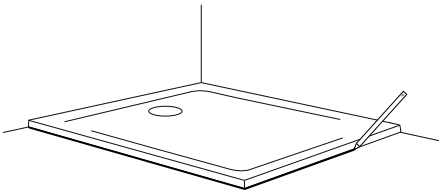


Flexi Seal Strip

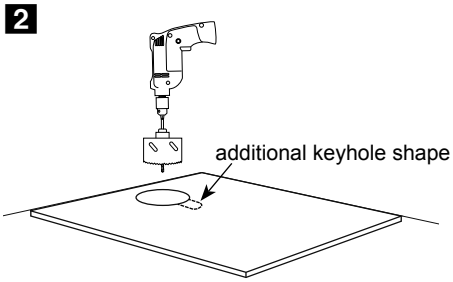
Note! Other tools and materials may be needed depending on the specific site requirements.

Installation – **Floor Level**

1



2



Place the shower tray Ⓐ in position on the floor (ensuring surface is level) and mark the area covered on the floor.

If installing on a suspended floor, the total floor area (or larger) covered by the shower tray must be removed and replaced with a single piece of ply (min 18mm thick)

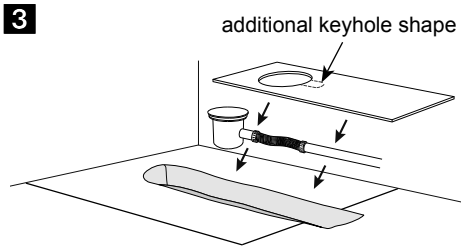
Note! Ensure that there is sufficient unobstructed area for the waste outlet and plumbing between joists, or subsurface excavation in concrete floors.

On a suspended floor: put the plywood in position, then place the shower tray on the ply and mark the waste hole location. Drill or cut a hole in the plywood suitable for the total size of the Hi-Flow waste unit Ⓜ being used and NO larger

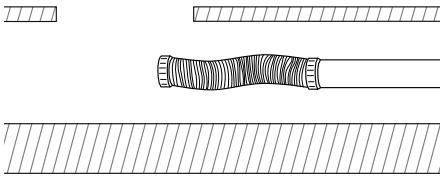
A small additional keyhole shaped cut-out for some types of shower tray waste outlets may be required when using a ply base.

Note! Keep all holes to the minimum.

3



4



Note! If installing on a level concrete floor the full plywood board is not necessary but a trench for the waste pipe and trap will be required.

If necessary, blank off the trench using 18mm ply with waste outlet hole, ensuring that the plumbing connections can be made once the shower tray is in position.

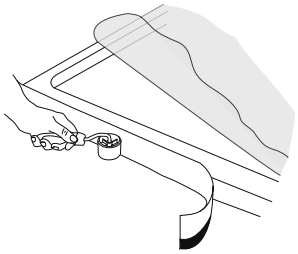
A small additional keyhole shaped cut-out for some types of shower tray waste outlets may be required. Keep all holes to the minimum.

Before proceding, dry fit all items in-situ to ensure compatibility.

Note! It is normal for the tray to appear elastic when undertaking a test dry fitting.

Remove the plywood and install the pipe-work in accordance with building regulations, protecting any exposed threads with masking tape. If in doubt consult a qualified plumber.

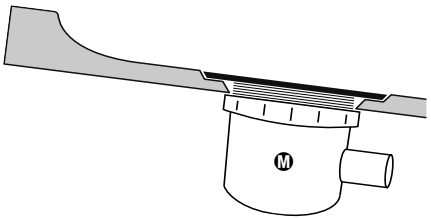
5 Optional Flexi Seal Strip



Note! Some shower trays have a protective film (indicated by a label on the surface) which must now be removed. Undertake a final inspection of the shower try at this stage. DO NOT PROCEED IF NOT SATISFIED.

If fitting the optional (not supplied) Flexi Seal Strip, (Flat top shower trays only) follow the instructions supplied with this item at this stage.

6



Fit the waste unit Ⓜ to the shower tray following the instructions supplied with the unit and protect exposed threads with masking tape. Before proceeding dry fit all items in-situ to ensure compatibility and then screw the plywood level into position.

W
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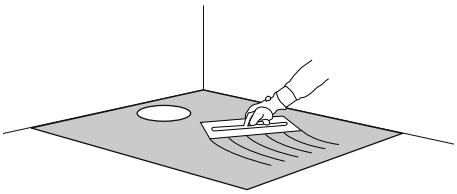
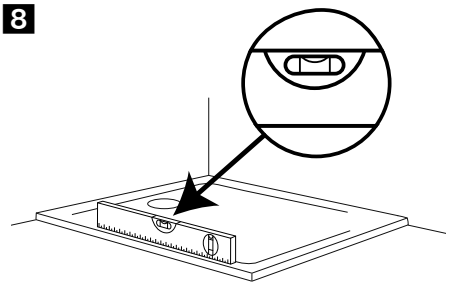
7



Use installation compound adhesive or a suitable contact adhesive to cover the full area under the shower tray. Apply or trowel to a thickness suitable to allow full adhesive support of the shower tray.

Note! Always follow the instructions supplied with the adhesive.

8

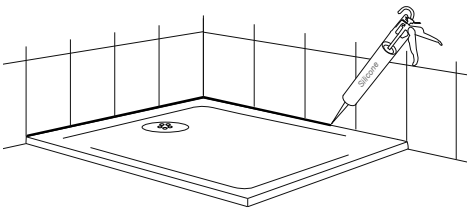


Place the shower tray Ⓐ onto the wet adhesive ensuring that it is fully supported by the mix. Check the level of the top rims only as the shower tray has a built in fall for adequate drainage.

Note! Ensure tray is fully stuck down – weight down if necessary to ensure level and that good contact is made with the adhesive.

Installation – **Floor Level**

9

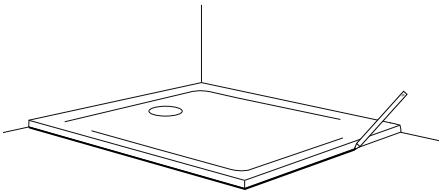


When the adhesive has set, remove any excess mix and masking tape, then make connection between the shower tray and waste piping. The shower tray and all connections MUST now be checked for water tightness, flow and adequate drainage over the entire area.

DO NOT PROCEED IF NOT SATISFIED.

After all checks and adjustments, tile and then seal along the tiling line with silicone sealant.

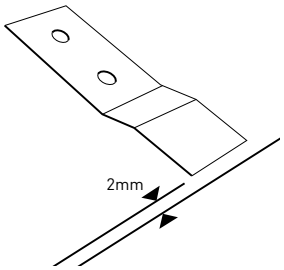
1 Area Preparation



Note! Any floor area under the tray MUST be rigid and level.

Place the shower tray Ⓐ in position on the floor and mark the waste position and the perimeter of the tray on the floor.

2

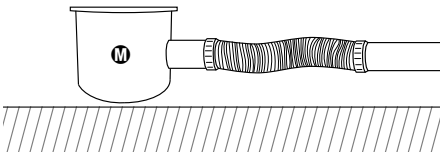


Remove the shower tray and screw the Floor Brackets Ⓝ using screws Ⓞ to the floor with the open end of the bracket 2mm back from the marked line, evenly spaced, parallel with the sides adjacent the intended panel access sides.

Adjust the open end of the Floor Brackets Ⓝ to accept the bottom edge of the panels Ⓑ nominally 1.5mm

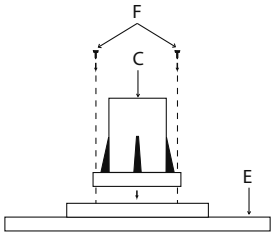
Note! On concrete floors, discard screws Ⓞ supplied, alternative fixings (not supplied) will be required.

3



Install pipework to the area (not supplied) in accordance with the building regulations and attach the Waste Outlet Ⓜ.

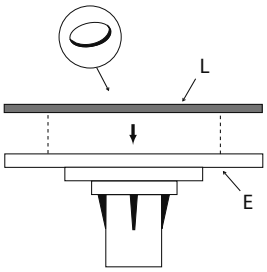
4 Leg Assembly



Screw all the Leg Mounting Brackets Ⓒ to the upper face of the Circular Base Plates Ⓔ using screws Ⓕ.

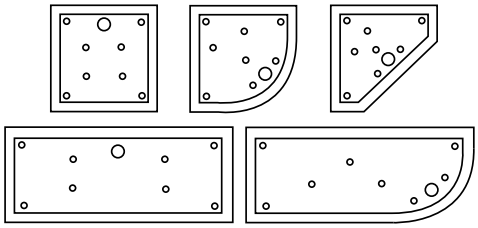
Installation – *Raised Level*

5



Attach the Circular Adhesive Pads Ⓛ to the under-side of all the Circular Base Plates Ⓔ by removing the backing paper from one side ONLY of the Adhesive Pads Ⓛ, centralise and push firmly into position.

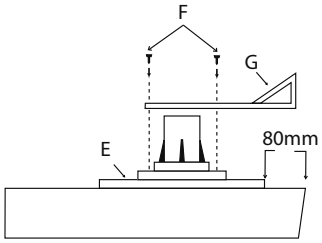
6 **Leg Positioning**



With your shower tray upside down, position all **(DO NOT PERMANENTLY FIX AT THIS STAGE)** the leg assemblies to form an evenly supported structure. Wherever possible use the full number of leg assemblies available for maximum support.

Note! On larger shower trays, a ply base (min 11mm) can be attached to the underside of the tray if additional rigidity is required. Ensure that the ply is 30mm away from all edges and use a suitable adhesive to fix in position.

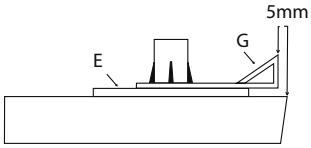
7



Attach the Panel Upright Brackets Ⓖ using two screws Ⓕ to the Circular Base Plate assemblies Ⓔ that are located on the panel access sides of the tray.

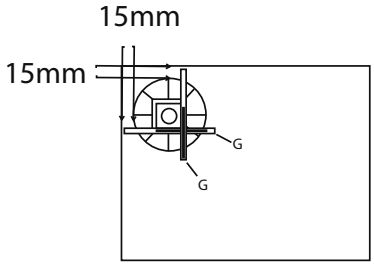
Ensure the Panel Upright Brackets Ⓖ are attached in-line with the panel sides with the edge of the leg assembly Ⓔ no greater than 80mm from the edge of the tray.

8



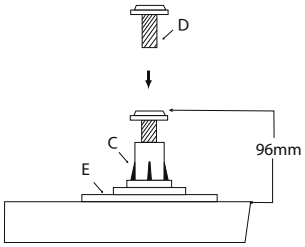
Once an evenly supported layout plan has been achieved, ensure the base of the tray is clean and free from dust and other contaminates, then remove the remaining backing paper from the Adhesive Pads Ⓛ on the leg assemblies Ⓔ and attach all the assemblies permanently into position.

9



Adjust the Panel Upright Brackets Ⓖ to achieve a nominal 15mm gap between the bracket and the tray edge. On corners the Panel Upright Brackets Ⓖ can be overlapped at the rear if a closer fit to the edge of the tray (minimum 15mm) is required.

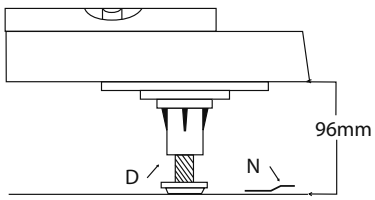
10



Screw all the Threaded Leg Tubes Ⓓ into the Leg Mounting Brackets Ⓒ on the assemblies Ⓔ to achieve a nominal 96mm from the bottom edge of the shower tray to the base of Threaded Leg Tubes Ⓓ.

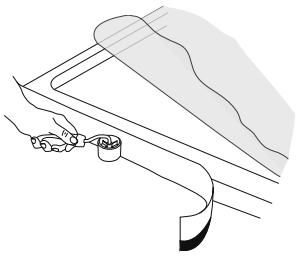
Note! If supplied with Full Size Universal Curved Quad Panel, it is advised for ease of access to measure and trim item Ⓐ at this stage See Panel Trimming and Assembly (point 14) with the shower tray fully accessible.

11



Place the shower tray upright and level into position, adjusting the Threaded Leg Tubes Ⓓ as required maintaining a gap not less than 96mm between the bottom edge of tray and the floor.

12

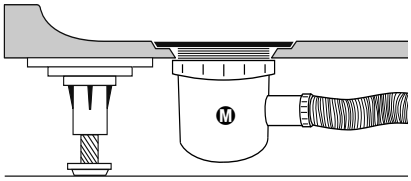


Note! Some shower trays have a protective film (indicated by a label on the surface) which must now be removed. Undertake a final inspection of the shower try at this stage. DO NOT PROCEED IF NOT SATISFIED.

If fitting the optional (not supplied) Flexi Seal Strip, (Flat top shower trays only) follow the instructions supplied with this item at this stage.

Installation – *Raised Level*

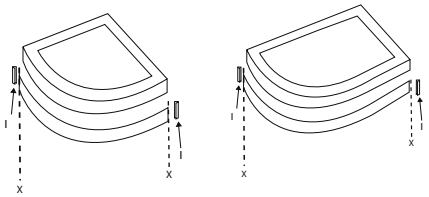
13



Attach the Waste Outlet Ⓜ to the shower tray using silicone between all mating surfaces). The shower tray and all connections **MUST** now be checked for water tightness flow and adequate drainage over the entire area. **DO NOT PROCEED IF NOT SATISFIED.**

Note! You MUST check that all the legs are fully in contact with a rigid floor at this stage. DO NOT PROCEED IF LEGS ARE NOT CORRECT.

14 Panel Trimming and Assembly

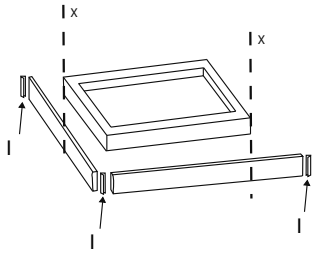


Quad and offset quad trays:

Carefully centralise the curved panel Ⓑ in the centre of the curve of the shower tray Ⓐ and cut both ends to fit remaining area

Attach Corner/End Brackets Ⓘ by removing the coloured adhesive backing paper and attach to the ends of the panel.

15

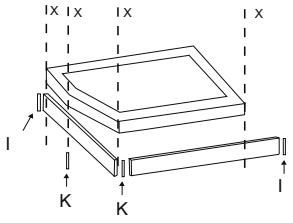


Square and rectangle trays:

Cut panels Ⓑ to the size required and join panels by removing the coloured adhesive backing paper from the Corner/End Brackets Ⓘ and attach.

Attach the remaining Corner End Brackets Ⓘ by removing the coloured adhesive backing paper and attach to the ends of panels as required.

16

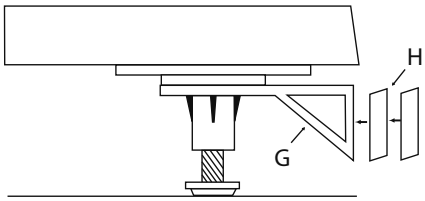


Pentangle trays:

Cut / mitre the panels Ⓑ to fit the shower tray and join by removing the coloured adhesive backing paper from the Pentangle Joining Brackets Ⓚ and attach.

Attach the remaining Corner End Brackets Ⓘ by removing the coloured adhesive backing paper and attach to the ends of panels as required.

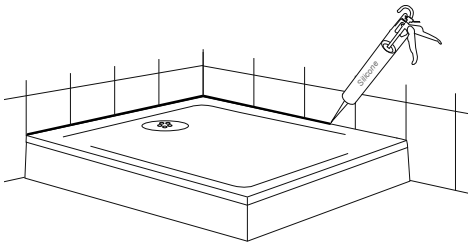
17 Panel Installation



Using Adhesive Hook & Loop Pads ⓗ remove the self-adhesive backing paper from one side ONLY and attach to the ends of the Panel Upright Brackets ⓖ.

Test fit assembled panels by sliding into Floor Brackets ⓝ before final assembly and ensure correct orientation to fit as required. **DO NOT PROCEED IF NOT SATISFIED.**

18



Remove the remaining backing papers from the Adhesive Hook & Loop Pads ⓗ attached to the Panel Upright Brackets ⓖ and push the panel assembly firmly into position.

After all checks and adjustments, seal along the edge of the tray using silicone if not using a Flexi Seal Strip.

Installation – ***Raised Level***

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Troubleshooting

Q **What is a suitable contact adhesive?**

A Contact your local DIY retailer and request an adhesive intended for sticking ABS (the plastic base of shower tray) to wood / concrete as applicable.

Q **The waste outlet in the shower tray is directly over an obstruction at floor level.**

A Consider switching to a raised option or re-locating the shower tray.

Q **The shower tray's waste will not fit through the plywood and connection point.**

A Cut a slightly larger hole with a keyhole section over the connection point.

Q **The shower tray will not fit the space available.**

A Consider recessing the edge of the tray into adjoining walls or using a smaller shower tray and enclosure.

Q **There is water retaining on the surfaces of the tray.**

A Check that the shower tray is level (top rims) as it is normal for small amounts of localized water to be retained.

Q **Water will not flow fast enough down the waste outlet.**

A Check that the waste unit is correctly installed and that outlet pipe has sufficient angle and is not kinked or sagging causing an air blockage.

Q **The enclosure will not fit on the shower tray.**

A Check that the available surface on top of the tray is compatible with the size, shape and adjustment range of your enclosure.

Q **Water escapes from a fitted walk-in or frameless enclosure.**

A It is normal for spillage to occur from walk-in or frameless type enclosures, consider changing to a fully framed enclosure.

Q **Could I have a carpet on the floor in the bathroom?**

A It is advised that you use only safety vinyl or tiled flooring in the bathroom area

Q **The shower tray itself feels flexible when installed in a raised option.**

A This is not a problem in itself. However, you may wish to attach a 11mm board to the base of the tray if desired.

Q **The installed shower tray assembly feels loose.**

A Check that floor under the tray is rigid and level, also check that you have installed all the available legs forming an evenly supported structure and that all the legs are fully in contact with the floor.

Q **Can I lower or raise the legs to give a gap smaller or bigger than 96mm under the shower tray.**

A The legs can be adjusted nominally from 75mm to 113mm. However, the panels are 95mm high without using an alternative and the waste unit requires a minimum gap of 80mm to fit without reassessing into the floor.

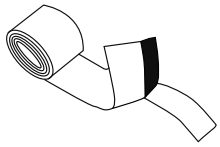
Q **Can I remove the panels at a later date?**

A Yes the panel assembly is designed to enable ease of removal to inspect the plumbing or to adjust the feet if required.

Installation – Flexi Seal Strip

This product is intended as a flexible tiling upstand and should be fitted to the side of the tray adjacent the walls only.

1

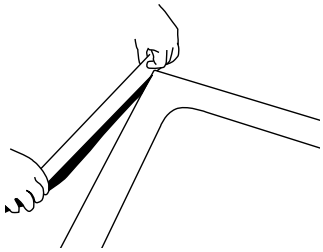


Wipe the surfaces clean where the strip will be attached first with a clean damp cloth, allow to dry and then wipe with the IPA wipe supplied in the kit.

Determine the length of strip required to seal around the shower tray and cut to length with scissors. (Ensure you cut at least 20mm longer than needed).

Peel back approximately 20cm of backing from the adhesive strip.

2

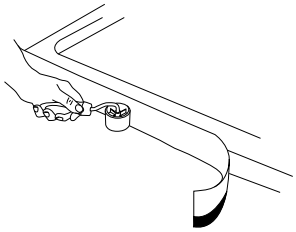


Attach to the edge of the shower tray so that it is square and the edge protrudes at least 20mm above the edge of the tray.

Make sure the adhesive strip is positioned so that it will not come into contact with any silicone sealer used later.

Note! If applying to a cut or trimmed tray, ensure that the adhesive edge follows the top edge of the tray and any material below the base of the tray should be removed with a sharp knife.

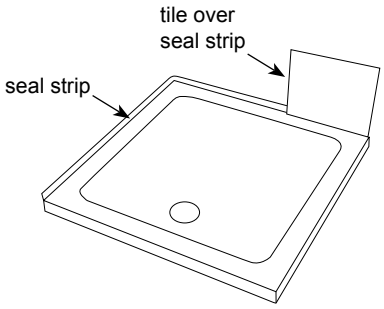
3



Using a small roller or other appropriate tool roll the seal strip so that it attaches firmly to the edge of the tray removing any bubbles or creases, paying particular attention to the corners.

Gradually remove the cover strip in sections and roll on the seal so it attaches firmly and square to the edge of the tray, making sure there are no gaps between tray and seal strip. Trim off any excess strip.

4



Install the shower tray in the correct position and tile in front of the seal strip.

Put a protective bead of silicone or other suitable flexible sealant between the tray and the tile, ensuring it does not come into contact with the adhesive material on the flexi seal strip.

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