

IMPORTANT - BEFORE YOU BEGIN



- ENSURE YOU HAVE ALL PARTS REQUIRED

- UNPACK AND INSPECT ALL PARTS THOROUGHLY. WE TRY OUR VERY BEST TO ENSURE ALL PARTS OF THIS PRODUCT MEET OR EXCEED OUR STANDARDS, HOWEVER IF YOU FIND A PART THAT IS EITHER DEFECTIVE OR DAMAGED, STOP IMMEDIATELY AND NOTIFY FIBRE SYSTEMS
- EVEN IF YOU HAVE INSTALLED OUR SHOWERS BEFORE, PLEASE READ THE INSTRUCTIONS CAREFULLY TO FAMILIARISE YOURSELF WITH REQUIRED TOOLS, PARTS AND FIBRE SYSTEMS INSTALLATION PRACTICES
- FOLLOW ALL WARNINGS AND INSTRUCTIONS CAREFULLY. IF YOU HAVE ANY QUESTIONS STOP AND CONTACT FIBRE SYSTEMS FOR ADVICE OR ASSISTANCE.

INSTALLATION GUIDE

Acrylic Shower Tray, Acrylic Liner and Tiled Walls

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2 Introduction

Thank you for purchasing a Fibre Systems Product. As a 100% New Zealand owned and operated company with over 35 years experience, we appreciate your support, and we're sure you will find this product of the highest quality.

This installation manual is designed to provide you with as much assistance as possible during the installation process. If at any stage, you encounter any issues or confusion, we invite you to contact us at your earliest convenience. Our contact details are on the back page of this manual.

PLEASE REMEMBER - IF YOU ENCOUNTER ANY PRODUCT OR INSTALLATION ISSUES and you continue to complete the installation, you as the installer have sole responsibility for all costs for remedial work required, and you may void the product warranty conditions.

It is important to consider the implication of not only of a voided warranty but also potential water leakage if installation is not carried out correctly. It's always better to be safe than sorry. This product is also covered by our "NO NONSENSE" warranty full details can be found on the last page of this manual.

3 Product Orientation

The images in this manual show an equal length 2 sided shower tray installation.

This installation manual is designed for both our 2 sided showers and our alcove shower trays. The same installation methods also apply to all shower sizes i.e. 900 x 900mm, 1000 x 1000mm, and also for our UNEQUAL sided showers i.e. 1200 x 900mm and 1200 x 800mm.

Here are just a few examples of the shower tray names, definitions and sizes for reference.



928 x 928mm
Equal Length
2 Sided
Round Corner



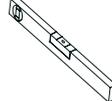
1200 x 800mm
Left Hand
Unequal Length
2 Sided



1000 x 1200 x 1000mm
Unequal Length
Alcove/3 Sided

4 Tools Required

	Marking Tool
	Drill
	Hammer

	Tape Measure
	Level
	Caulking Gun / Silicone

** We recommend the use SIKA SIKASIL NG Arctic White Silicone and SIKA SHOWERBOND

Safety / Warnings

The Glass Panels of this product are made from high quality Safety Glass.

The nature of Safety Glass means that it is highly impact resistant on its FACE (flat side). However, it is sensitive to impact on its edges. Take all possible steps to ensure the edges of the glass panels are protected from impact during installation.

Acrylic Trays and Wall Linings react the same as Safety Glass, so do not drop or hit an edge as product damage may occur.

Safety Glass cannot be cut or drilled - Product damage and risk of injury may occur.

Please take all possible steps to ensure that the correct personal protection equipment is used and that care is taken during the installation of this product.



Dust Mask



Safety Goggles



Ear Protection



Safety Gloves

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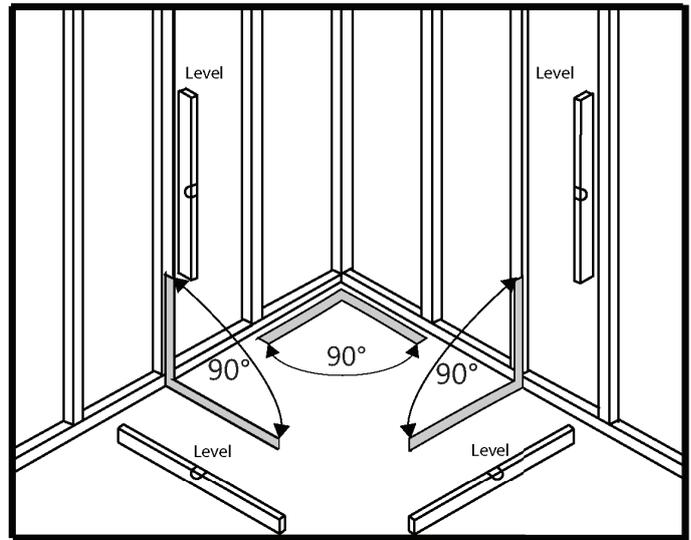
Tray Installation - Preparation

Floor and Wall Preparation

1. Clean the floor surface thoroughly.
2. Ensure the framing is clean from any protrusions (e.g. nails) which may inhibit the linings from being attached correctly.
3. With a Level, check the floor is level. Check both sides where the tray will be located. Some older floors are not 100% level, so some secured packing to the floor may be required to bring this to level. If packing is installed, ensure that the packing is secured to the floor and placed so it will make SOLID contact with the tray support feet.
4. With a long Level, check the walls are vertically plumb and are straight, walls must not have any vertical or horizontal bowing at all as this can cause tension in the liner and create installation and adhesion issues.
5. With a Square, ensure the walls are at 90 degrees to the floor. This will confirm step 4.

If the walls are not vertically plumb - there is a small level of adjustment within all our door frames to allow for walls which are out of plumb. All shower door frames will allow up to approximately 10mm of adjustment from the bottom to the top of the frame.

6. With a Square, ensure the walls are at 90 degrees (right angles) with the rear corner(s) at the top, middle, and bottom. This is important as the tray needs to sit flat against the base plates, and the lining needs to overhang the tray upstand equally. If packing is required to the walls, ensure this is done at this stage.



IMPORTANT

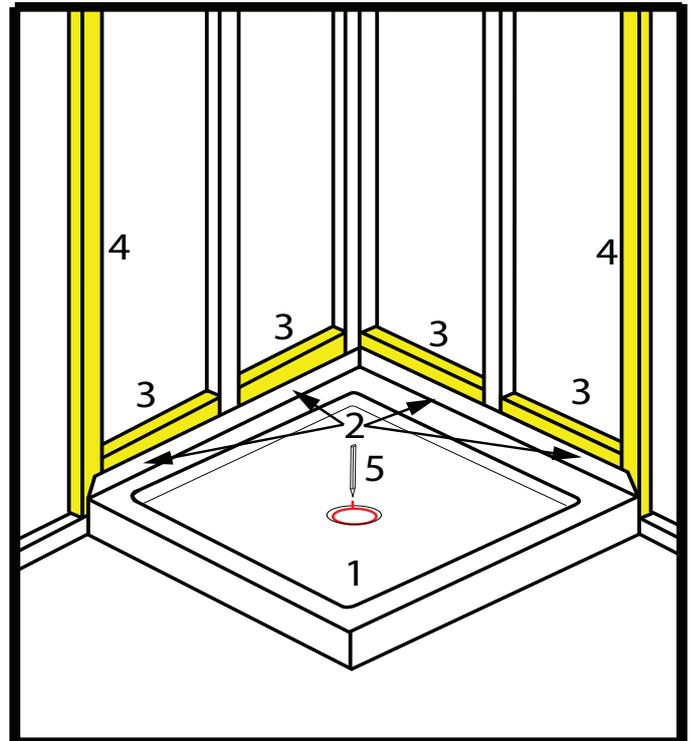
- FAILURE TO INSTALL THE TRAY ONTO A LEVEL FLOOR SURFACE MAY CREATE POOR DRAINAGE OF WATER TO THE WASTE OUTLET.
- IT WILL CREATE AN UNEQUAL LINER TO TRAY JOINT, WHICH MAY REQUIRE THE LINER TO BE SCRIBED AND TRIMMED TO MEET THE TRAY. PLEASE NOTE THIS CAN SHORTEN THE HEIGHT OF THE LINER WHICH IN TURN AFFECTS THE FINISH OF DOORS TO THE TOP OF THE LINER.

Pre Fitting Tray and Wall Lining Support

1. Place the tray down onto the floor and position the tray hard into the base plates and studs. Check that the tray is sitting evenly on its support feet. You may have to slightly sand/grind the support feet in order for the tray to sit flat. **(NOTE - THIS WILL NOT VOID YOUR WARRANTY)**

Place a Level on the flat "hobs" of the tray and ensure the tray sits level and the top surface of the hobs is flat. Finally check that there is fall on the drainage areas of the tray.

2. Ensure the back of the upstand fits hard against all studs or base plates. If there are any gaps between the tray and the studs this will need to be packed out from top to bottom to ensure the wall board overhangs the tray by a minimum gap of 3mm.
3. Fit timber supports between vertical studs, to provide support between the up stand and wall board joint.
4. Install vertical studs at the edge of the tray to provide solid fixings for the doors Wall Receivers.
5. Mark the waste position on the floor. If the tray is being installed onto a concrete floor, make up a cardboard template from the old box to show the waste position, so the Easy Clean Waste can be glued into the correct position prior to fitting of the tray.



IMPORTANT

- IT IS ESSENTIAL TO FIT SOLID TIMBER SUPPORTS AS PER ABOVE #3. FAILURE TO DO SO COULD MEAN WHEN THE LINER IS INSTALLED THE GIB COULD BE PUSHED INTO THE WALL CAVITY CAUSING POOR ADHESION OR SEALING BETWEEN THE LINER, WALL BOARD AND TRAY.
- DO NOT FLUSH MOUNT THE TRAY UPSTAND TO THE WALL BOARD. THE WALL BOARD MUST OVERHANG THE UPSTAND BY APPROX 3MM ON ALL SIDES TO PROVIDE AN SATISFACTORY SILICONE BEAD CAVITY.

6 Fixing the Tray

Floor and Wall Preparation

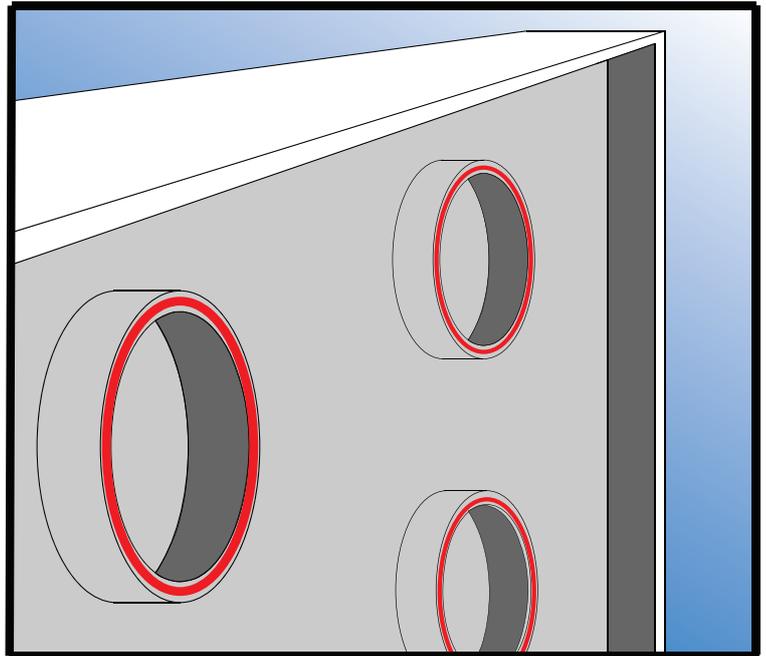
1. Clean the floor surface thoroughly. Ensure that all dust is removed from the floor and the surface is dry and clean.
2. Ensure the framing is clean from any protrusions (e.g. nails) which may inhibit the linings from being attached correctly.
3. Install the Easy Clean Waste either in the floor if it's concealed, or onto the tray if it is accessible.

4. Using SIKA SHOWER BOND, apply rings of adhesive to ALL the support feet. To aid adhesion you must apply one thin bead (2-3mm) to each foot, then go back and apply a second larger bead (5-6mm) to each foot.

IT IS CRITICAL TO ENSURE THERE IS A GOOD BEAD OF ADHESIVE ON ALL SUPPORT FEET.
THIS IS TO SECURE THE TRAY TO THE FLOOR SUBSTRATE.

5. Carefully lift the tray into position, then lower it onto the floor. DO NOT slide the tray into position after it makes contact with the floor, this can cause the adhesive to move from under the support feet.

**THE TRAY MUST BE SECURED TO THE FLOOR SUBSTRATE TO STOP MOVEMENT OF THE TRAY WHEN IN USE.
FAILURE TO SECURELY ATTACH THE TRAY TO THE FLOOR SUBSTRATE WILL VOID YOUR WARRANTY.**



**Allow the adhesive 24 hours to cure.
During this time do not stand on or move the tray.
Do not add weights to the tray.**

7 Installing Wall Linings

Installing Wall Linings

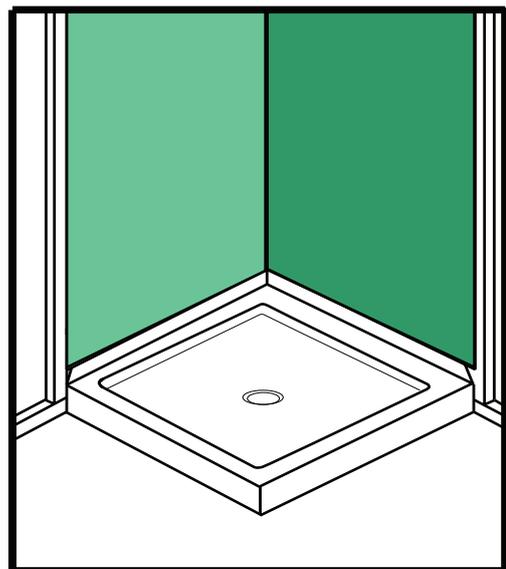
1. Ensure all the wall framing is clear of any protrusions e.g. nail heads etc.

2. Mark the wall linings for the studs for fixings and take notes and photos of all electrical or plumbing pipework and fixings installed into the wall cavity and measure their positions.

At this point it is your last chance to add in fixings for items such as glass shelving, grab bars, shower, slide rails and other accessories.

3. Install the wall lining board down and onto the TOP of the upstand of the tray. As referred to in the Introduction section.

4. Once the linings are fastened to the wall, check that you have an overhang between the wall lining and the front face of the upstand of at least 3mm and maximum of 5mm all the way along the upstand length.



IF ANYTHING IS UNCLEAR PLEASE STOP AND REFER BACK TO THE TRAY INSTALLATION DIAGRAM OR CONTACT US IMMEDIATELY

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Installation Overview

2 Sided Tray with **Acrylic** Wall Liner**Tray Position to Wall Linings**

It is important to understand the correct installation methods to provide a leak free joint between the wall linings and the tray.

Please refer to the diagram on the right and below description -

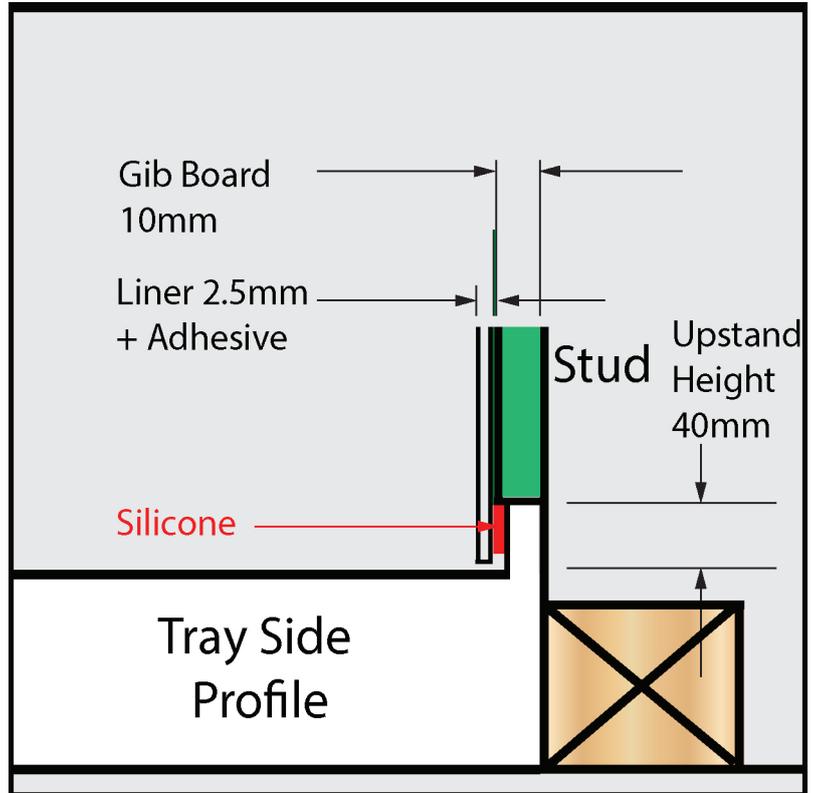
A. The tray is installed hard up to the framing base plates and studs.

B. Wall linings are installed over the studs and DOWN to the TOP of the Upstand.

C. Silicone is applied on the Upstand and the acrylic liner is installed over the wall lining material - most commonly AQUAGIB board. This is shown to the right.

It is very important to ensure the tray fits hard up to the framing and base plates, all the way along the tray edge on all sides. This will ensure the wall linings will overhang the Upstand equally along the tray. A minimum overhang of 3mm is ESSENTIAL to allow enough silicone to be applied between the Upstand and liner.

See below for details on correct silicone application.

**Silicone Joint on Upstand**

Incorrect Silicone application to the Upstand area is the most common cause of leakage both into the adjacent internal wall cavity, and also from external corners.

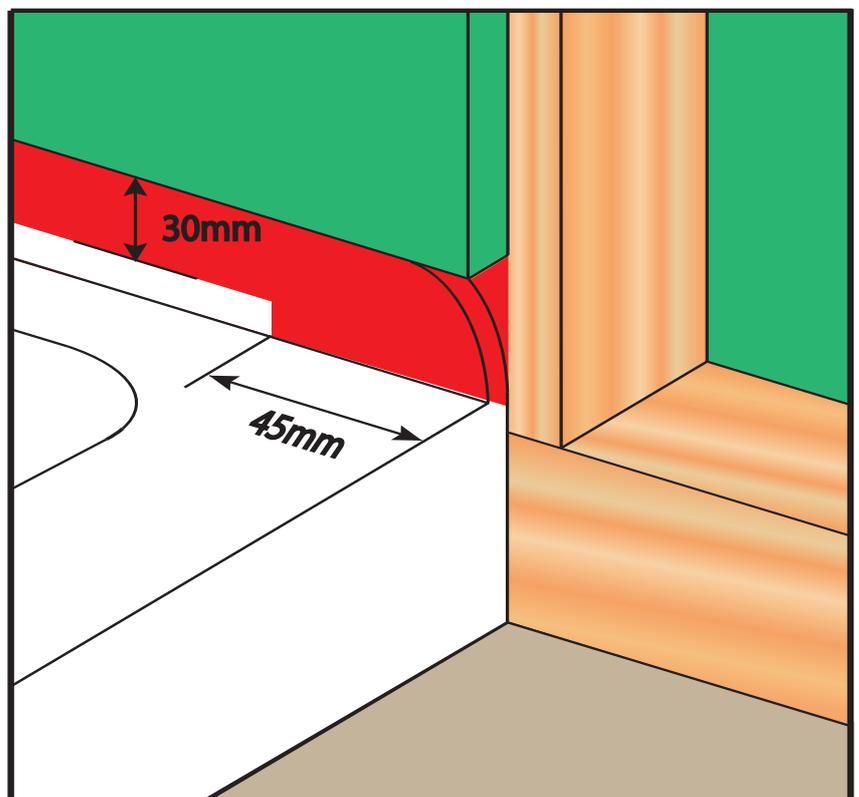
It is critical to apply the silicone seal on the upstand correctly. Failure to do this will VOID ALL WARRANTY.

To correctly apply the Silicone joint -

A. Apply a bead of Silicone all the way along the joint between the wall board and the top of the Upstand.

B. Apply another bead, or multiple beads, at least 30mm down from the top of the Upstand.

C. Apply silicone ALL the way to the bottom of the Upstand approx 45mm back from each outside edge of the Upstand. Allow this Silicone to go past the external corner of the Upstand and fill the void to the studs. This prevents water tracking up under the liner and outwards into the internal wall at the edge of the tray.



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Installation Overview

3 Sided Tray with Acrylic Wall Liner

Tray Position to Wall Linings

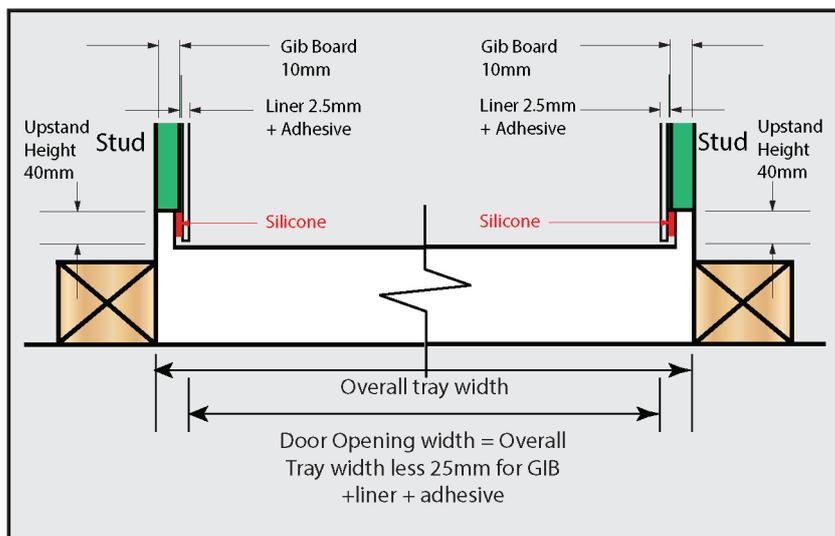
There needs to be special consideration to measurements of framing and wall linings when installing Alcove shower trays to ensure a satisfactory fit of wall liners and door systems.

Due to the fact an Alcove shower has 3 Upstands, special attention is required when building or renovating an Alcove frame.

A. It is very important to ensure the tray fits hard up to the framing and base plates, all the way along the tray edge on all sides. This will ensure the wall linings will overhang the Upstand equally along the tray. A minimum overhang of 3mm is ESSENTIAL to allow enough silicone to be applied between the Upstand and liner.

B. It is also very important to ensure all wall framing is vertically plumb, and also all the walls are at Right Angles to each other at the top, middle and bottom of both sides.

C. It is also very important to understand the relationship between tray, walls and door opening sizes. The diagram to the right provides an overview of this.



For example a 900x900x900 alcove tray after installation of 10mm wall boards on each side should have a wall to wall measurement of 880mm, top, middle and bottom ready to receive the wall liner which allows 875mm for the door to be installed.

Silicone Joint on Upstands

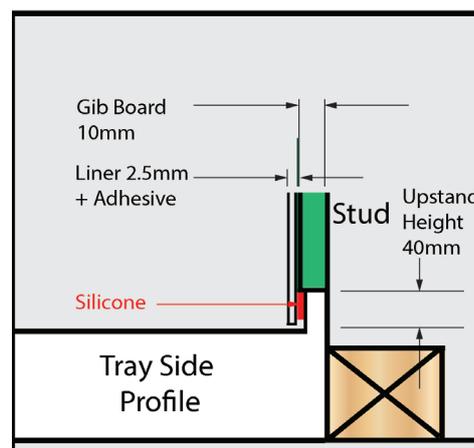
Please refer to the diagram on the right and as follows:

A. The tray is installed hard up to the framing base plates and studs.

B. The internal plumbing is installed and wall linings are installed over the studs and DOWN to the TOP of the Upstand.

C. Silicone is applied on the Upstand and the acrylic liner is installed over the wall lining material - most commonly Aqualine style wall board. See below for details on correct silicone application.

It is very important to ensure the tray fits square to the framework, and that the GIB board will overhang the Upstand equally along the tray. An minimum overhang of 3mm is ESSENTIAL to allow enough silicone to be applied between the Upstand and liner.



Silicone Joint on Upstand

Incorrect Silicone application to the Upstand area is the most common cause of leakage both into the adjacent internal wall cavity, and also from external corners.

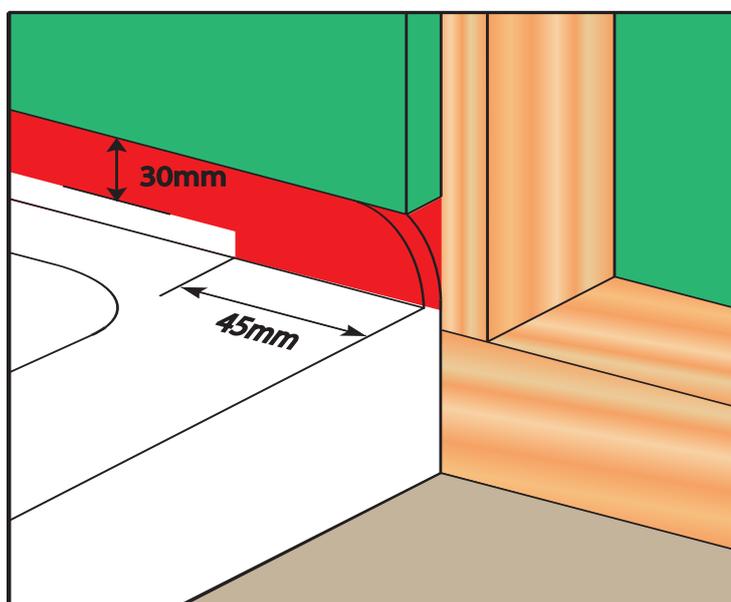
It is critical to apply the silicone seal on the upstand correctly. Failure to do this will VOID ALL WARRANTY.

To correctly apply Silicone joint -

A. Apply a bead of Silicone all the way along the joint between the wall board and the top of the Upstand.

B. Apply another bead, or multiple beads, at least 30mm down from the top of the Upstand.

C. Apply Silicone ALL the way to the bottom of the Upstand approx 45mm back from each outside edge of the Upstand. Allow this Silicone to go past the external corner of the Upstand and fill the void to the studs. This prevents water tracking up under the liner and outwards into the internal wall at the edge of the tray.



Installing Acrylic Wall Liner

BEFORE YOU BEGIN - CHECK THE ROOM, WALL BOARDS AND LINER TEMPERATURE. DO NOT INSTALL THE LINER TO THE WALL, OR USE ADHESIVE OR SILICONE IF THE TEMPERATURE IS BELOW 5°C AND ABOVE 35°C

INSPECT THE LINER FULLY FOR ANY POTENTIAL DAMAGE THAT MAY HAVE OCCURRED IN TRANSIT - INSPECT ALL INTERNAL SURFACES, CORNERS AND FOLDS.

FOR INSTALLATION OF AN ACRYLIC WALL LINER TO WALL BOARD, THE BOARDS MUST BE -

- WALL SUBSTRATE MUST BE POROUS
- CLEAN / DRY / GREASE and OIL FREE
- MUST NOT HAVE ANY PLASTERED AREAS
- MUST NOT BE PAINTED / PRIMED / SEALED IN ANY WAY
- YOU MUST ALSO ALLOW THE LINER TO RELAX PRIOR TO INSTALLATION. LYING THE LINER DOWN ON ITS FACE AND SPREAD OUT LIKE AN "A" IN THE SUN WILL AID IN ALLOWING THE LINER TO SIT FLAT AGAINST THE WALL BOARDS.
- PRIOR TO INSTALLING THE LINER, ENSURE IT HAS COOLED DOWN.

1. Dry fit the liner first to check for fitment to the walls and tray. Scribing the liner may be required if walls are slightly out of plumb or tray is not level. If more than 4mm gap between the tray and liner is evident, then your walls are not vertically plumb and wall framing should be re-packed.

2. Offer up the liner to the wall and mark the outside edge of the liner on to the wall. Mark all penetrations on the liner, and drill out using a Twist Drill, Fine Tooth Hole Saw, Fine Tooth Saw or Jig Saw.

3. Check your Sika Showerbond and Sika Silicone NG Cartridge expiry dates before application. If your cartridges are out of date, do not use the product and replace immediately.

4. Mark vertical lines on the wall. Lines must be 80mm apart and run vertically within 15mm from the top and side edge of the liner, and the bottom of the wall board.

5. Remove protective film from the Tray Upstand area. Apply Sika NG Silicone to Upstand. Refer to the Silicone application section for details.

6. To aid consistent beads, cut your Sika Showerbond Cartridge nozzle as per the diagram (FIG A).

7. Apply even thickness beads (approx 5-6mm wide) vertically down the lines. Ensure the beads are 80mm apart. (Beads of adhesive that are too thick can cause buckling and undulation in the liner sheet).

WHEN APPLYING ADHESIVE DO NOT DO THE FOLLOWING -

- DO NOT APPLY BLOBS OF ADHESIVE
- DO NOT LOOP OR JOIN BEADS IN ANY WAY
- DO NOT RUN ANY HORIZONTAL BEADS OF ADHESIVE OR SILICONE ACROSS THE WALL BOARD IN ANY POSITION
- DO NOT APPLY ANY OTHER PATTERNS OF ADHESIVE LINES

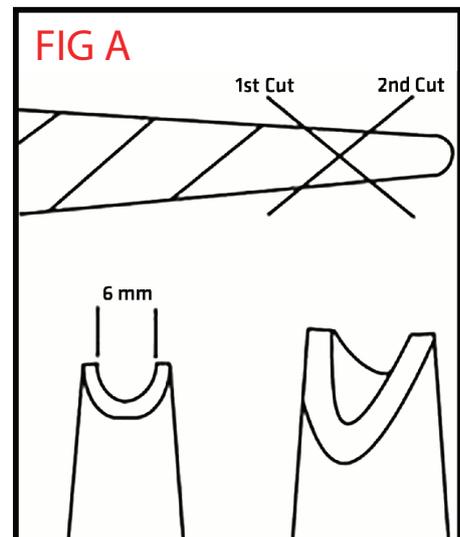
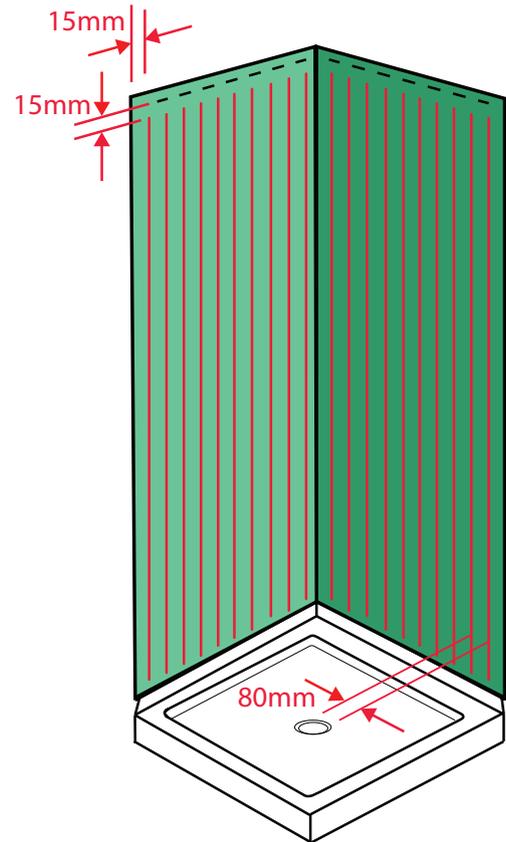
8. Place the liner onto the Tray and press the liner to the corner(s) of the walls. Working from the inside corner(s) out, slowly press the liner hard to the wall board, do this in a vertical fashion so you are not moving the liners position on the wall board. Liners are re-positionable to approx 10 mins. [Refer to the tip](#) on how to press spread and smooth the adhesive lines. Once fully pressed, check the liner is positioned correctly to the internal corners. Allow to rest for 10mins then re-press again. You may hear "crackling" of air being released from the glue. Keep pressing the liner until smooth.

9. Larger liners, molded and 3 sided liners require bracing whilst curing.

10. Do not seal the top of the liner to the wall boards with Silicone. Adhesive must be allowed to evacuate gas whilst curing.

11. A MINIMUM CURING TIME OF 24 HOURS AT 20°C MUST OCCUR BEFORE ;

- THE SHOWER MAY BE USED,
- A SILICONE JOINT CAN BE INSTALLED TO SEAL THE TOP OF THE LINER



TIP

A great tool for pressing liners is a piece of framing timber wrapped in a soft towel or carpet. This will allow you to apply higher pressure onto the liner which will aid in smoothing the glue and improve adhesion

Installation Overview

2 Sided Tray with Tiled Walls

Tray Position to Wall boards and Tiles

It is important to understand the correct installation methods to provide a leak free joint between the wall linings and the tray.

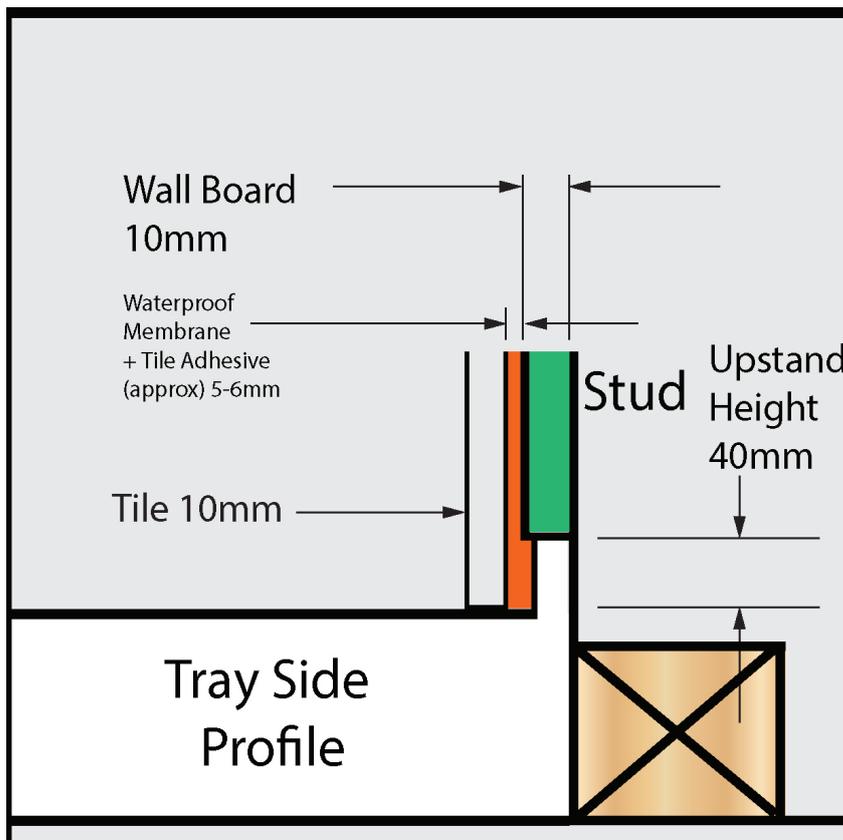
Please refer to the diagram on the right and below description -

A. The tray is installed hard up to the framing base plates and studs.

B. Wall linings are installed over the studs and DOWN to the TOP of the Upstand.

Please refer to the diagram on the right and below description:

C. An appropriate Waterproofing Membrane (not provided by Fibre Systems) is applied correctly to the wall linings, in conjunction with a jointing system compatible with the membrane installed between the upstand and wall lining joint.



Installing Wall Receivers for Tiled Wall Installation

It is critical to note that **AFTER** the Membrane is applied to the walls, and **PRIOR** to installing the tiles, the wall receivers and Bottom channel (if applicable) must be fitted to the walls.

This will ensure correct fitting of the framing system onto the tray and will also provide a high level of water proofing at the perimeter of the shower door framing.

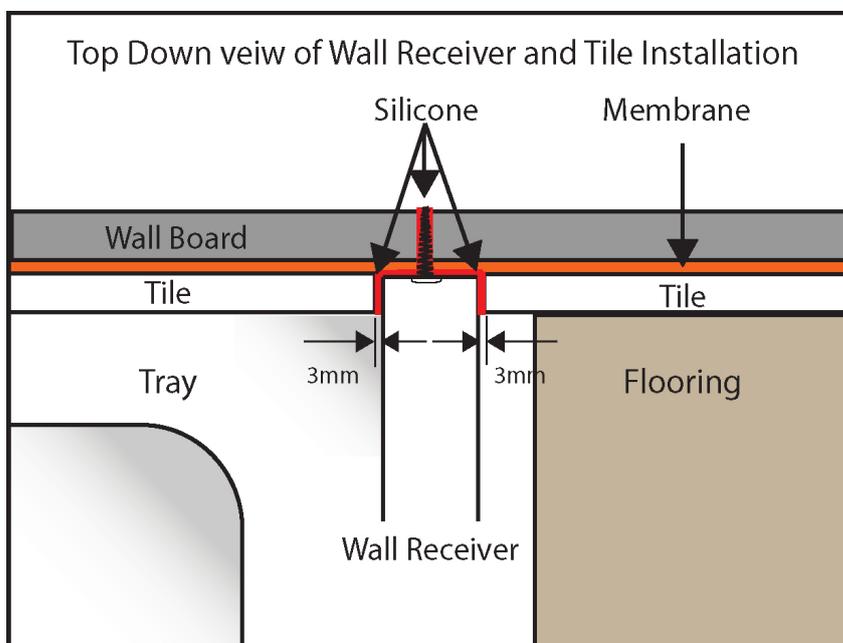
REFER TO THE DOOR INSTALLATION GUIDE FOR FITTING OF THE WALL RECEIVER and BOTTOM CHANNEL (IF APPLICABLE) BUT KEY POINTS TO REMEMBER:

A. The wall receiver must have a solid bead of silicone installed between it and the wall membrane.

B. The fixing screws must also have silicone applied to the threads as they are installed.

REMINDER: There must be a minimum gap of 3mm between the edge of the tile and the wall receiver to allow for the door frame to be installed over the wall receiver. Once the door frame is installed, this gap can be filled with a colored silicone.

FAILURE TO FIT THE WALL RECEIVERS AND BOTTOM CHANNEL (IF APPLICABLE) PRIOR TO TILING WILL RESULT IN DOORS NOT FITTING THE SHOWER TRAY CORRECTLY, IF AT ALL. FAILURE TO FOLLOW THIS GUIDANCE WILL RESULT IN ALL COSTS AND LIABILITY BEING SOLELY THE RESPONSIBILITY OF THE INSTALLER OR SPECIFIER.



Installing Tiled Walls.

Refer to the Introduction section of this installation manual for direction on wall lining position etc. PLEASE NOTE - It is a council requirement that waterproof membranes are installed by an approved installer. Failure to install membranes correctly will cause leakage. The membrane / wall linings and tray joint is not covered in any part by Fibre Systems warranty and is solely the responsibility of the installer.

Installation Overview

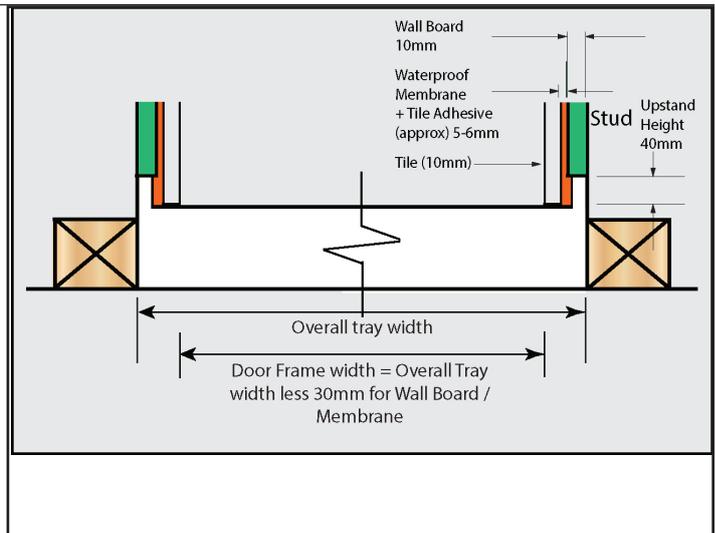
3 Sided Tray with Tiled Walls

Tray Position to Wall boards and Tiles

There needs to be special consideration to measurements of framing and wall linings when installing Alcove shower trays to ensure a satisfactory fit of wall liners and door systems.

Due to the nature of an Alcove shower having 3 Upstands, special attention is required when building or renovating an Alcove frame.

- A. The tray is installed hard up to the framing base plates and studs.
- B. It is also very important to ensure all wall framing is vertically plumb, and also all the walls are at Right Angles to each other at the top, middle and bottom of all sides.
- C. It is also very important to understand the relationship between tray, walls and door opening sizes. The diagram to the right provides an overview of this.
- D. An appropriate Waterproofing Membrane (not provided by Fibre Systems) is applied correctly to the wall linings, in conjunction with a joining system compatible with the membrane installed between the upstand and wall lining joint.



Installing Wall Receivers for Tiled Wall Installation

It is critical to note that **AFTER** the Membrane is applied to the walls and **PRIOR** to installing the tiles, the wall receivers must be pre-fitted fitted to the walls.

This will ensure correct fitting of the door framing system onto the tray and will also provide a high level of water proofing at the perimeter of the shower door framing.

Fibre Systems Alcove Shower door frames require 1 wall receiver and bottom channel (if applicable) to be fitted and sealed to the wall prior to the tiles being installed, and the second receiver to be fitted and sealed during the door installation process.

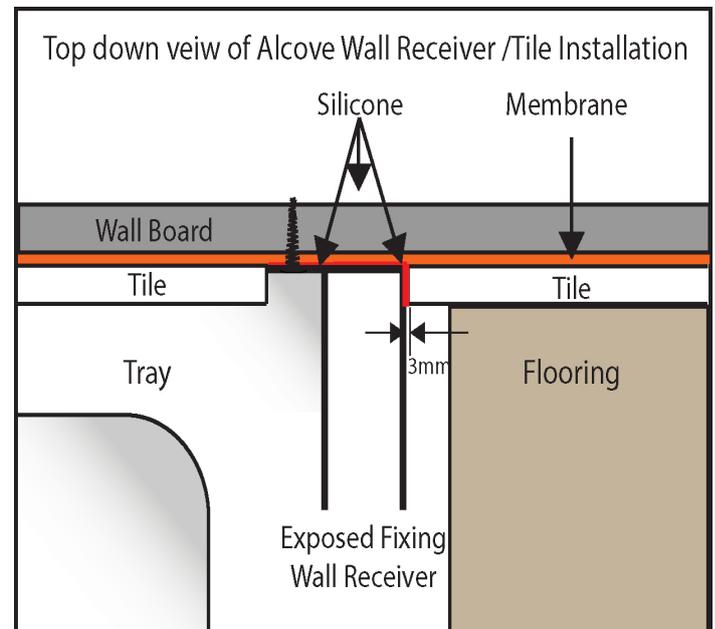
REFER TO THE DOOR INSTALLATION GUIDE FOR FITTING OF THE WALL RECEIVER BUT KEY POINTS TO REMEMBER:

- A. It is critical to fit and silicone seal 1 x wall receiver onto the wall prior to tiling. This is normally the wall receiver without the exposed fitting tail.
- B. The fixing screws must also have silicone applied to the threads as they are installed.
- C. At the same time, "dry fit " (no silicone) the second receiver which has the exposed screws and fixing tag (as shown on right) to the wall. This will provide you the correct position for the tiles etc.

REMINDER: There must be a minimum gap of 3mm between the edge of the tile and the wall receiver to allow for the door frame to be installed over the wall receiver. Once the door frame is installed, this gap can be filled with a colored silicone.

- D. Install tiles and grout.
- E. Remove 1 x receiver which is not sealed to wall. Fit the door frame and second receiver, ensuring that there is a full silicone bead behind the receiver to be fitted. Refit the receiver and door together.

FAILURE TO FIT THE WALL RECEIVERS AND BOTTOM CHANNEL (IF APPLICABLE) PRIOR TO TILING WILL RESULT IN DOORS NOT FITTING THE SHOWER TRAY CORRECTLY, IF AT ALL. FAILURE TO FOLLOW THIS GUIDANCE WILL RESULT IN ALL COSTS AND LIABILITY BEING SOLELY THE RESPONSIBILITY OF THE INSTALLER OR SPECIFIER.



Installing Tiled Walls.

Refer to the Introduction section of this installation manual for direction on wall lining position etc. PLEASE NOTE - It is a council requirement that waterproof membranes are installed by an approved installer. Failure to install membranes correctly will cause leakage. The membrane / wall linings and tray joint is not covered in any part by Fibre Systems warranty and is solely the responsibility of the installer.

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Warranty

All bathroomware products supplied by Fibre Systems carry our Quality Assurance and Product Warranty. We use the highest quality materials available and manufacture these in accordance with New Zealand specifications and requirements to ensure that all products are fit for the intended purpose for which they are designed. Our customer's peace of mind is of paramount importance to us.

Warranty Periods

Baths	10 years
Showers	10 years
Shower Screens and Doors	10 years
Silva and White Coatings	10 years
E-Line + Squareline + Dezine Showers	5 years
Black Coatings	5 years
Aquaknight Easy Clean Wastes	7 years
Accessories	2 years

Warranty Exclusions

The product must be installed according to the FIBRE SYSTEMS instructions.

The water supply temperature applied to the product must not exceed 55 degrees Celsius.

All cleaning and cleaning products must be in accordance with our cleaning instructions and guidance.

Commercial Applications (where products are installed in a building where occupancy is via a commercial arrangement i.e. a rental property, hotel, hostel etc) are restricted to a 2 year warranty on all products.

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Cleaning

Please refer to our cleaning instructions document for guidance, available on our website

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Aftersales service

We trust you have found the manual helpful during the installation of this product. However, if you have any questions at all regarding your product, please feel free to contact us.

Phone 09-274-7423

Fibre Systems Ltd

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East Tamaki

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