

GENERAL GUIDELINES

SHEET SIZES

Sheet Sizes are; 2440 X 1220mm, 2440 X 900mm, 2440 X 600mm and 1217 X 1220mm

STORAGE AND CONDITIONING

Panels should always be stored flat to prevent bowing. Under no circumstance must the panels be stood against a vertical surface.

Under no circumstances should the panels be stored outside.

PRE-INSTALLATION CHECKS

The panel must be inspected for any defects or colour variation prior to fitting, installation of panels will be deemed acceptance. Only use Neutral Cure Adhesive as can be supplied with panels

CUTTING DOWN:

ROUTERS

Routers are easy to use with Acrylic Panels. Always clamp work piece solidly and use guides with the router. Routers are an excellent tool to dress a previously sawn edge which will then require less finishing.

JIG SAW

Fine tooth jigsaw can be used for cutting where sheet is well supported – router or power plane can be used to finish the edges.

CIRCULAR SAW

Always cut the Acrylic Panel on a flat secured surface. With quality equipment, an excellent edge finish can be achieved with Acrylic Panels. The main factors in achieving the best possible outcome with a circular saw are:

- Panel rigidity. Clamp the sheet on both sides of the cut.
- Saw stability. Always use a good quality fence or guide to improve saw stability and straight-line cutting.
- Saw bearing quality. The price of a circular saw can be a good indication of the quality of the bearings used inside. Cheaper saws often use bushes that offer little to limit the blades sideways float, and will begin to wear quickly, This will have a dramatic impact on quality.

Reduce the cutting depth to allow the blade to cut approximately 7mm through the panels, preferably cutting into a sacrificial MDF board or similar.

Acrylic Panels are best cut using fine-tooth Aluminium circular blades with either a 'hollow ground' geometry or a 'triple chip' blade. **Teeth: 2.5-3.0 set/inch**

HOLE SAWS

Hole saws should be sharp, but the pilot drill blunt. It is recommended to drill the hole saw half way through, then turn the Acrylic Panel over and finish the hole. This prevents the edge from blowing out, De-bur the edge with 100-grit sandpaper.

Determine the position of the outlet on the panel and mark the centre. Now mark 20mm either side of the centre mark. Drill each hole with a 65mm hole saw.

BATHROOM INSTALLATION

2 sided installation kit without accessories

- 2 x Tubes of Sealant
- 2 x Tubes of Adhesive
- 1 x Sanding Pack
- 1 x Installation

3 sided installation kit without accessories

- 3 x Tubes of Sealant
- 3 x Tubes of Adhesive
- 1 x Sanding Pack
- 1 x Installation

2 sided installation kit with accessories

- 1 x Internal corner
- 2 x End Caps
- 2 x Tubes of Sealant
- 2 x Tubes of Adhesive
- 1 x Sanding Pack
- 1 x Installation

3 sided installation kit with accessories

- 2 x Internal corner
- 2 x End Caps
- 3 x Tubes of Sealant
- 3 x Tubes of Adhesive
- 1 x Sanding Pack
- 1 x Installation



End Cap



Internal Corner



H-Joint

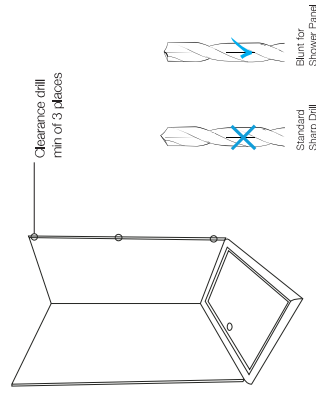
PRE-DRILLING

TIPS

Do not screw directly into the panels as it may cause the sheet to split.

Fit back protective film from front face of the panel to the width of door return + 25mm from the outer edges. Fit door returns in place ensuring they are in the correct position and plumb. Drill clearance holes through sheet and wall linings using a blunt drill bit.

- A minimum of 3 fixing points should be used in a 1.8m high shower.
- A minimum of 4 fixing points should be used in a 2m high shower.



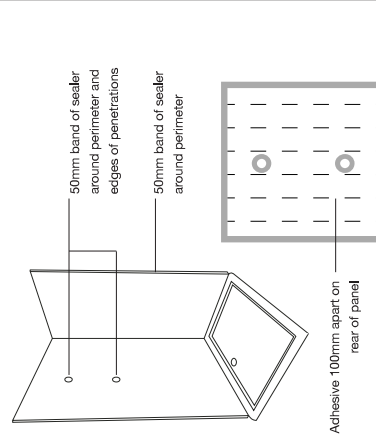
SEALING

TIPS

It is important to protect the rear (coated) side of the panel from moisture. Acrylic Shower Panels need to be sealed with a band of neutral cure silicone extending 50mm in from the edge of the panel.

This should include:

- The perimeter of the sheet including any cut outs made
- Perimeter of any penetrations made i.e. tap holes
- The edges of these cut outs

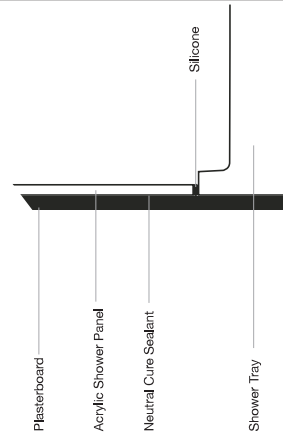


SHOWER TRAY

INSTALLING ACRYLIC PANELS INTO A SHOWER TRAY

A water proof board should be laid against framing following manufacturers instructions, down to within 5mm of shower tray.

The Panel is then installed over the wall lining and over the up-stand lip of the tray, as illustrated to the right.



FITTING WITH EXTRUSIONS

1. A 3mm clearance must be left at the bottom of the panels for subsequent sealing.
2. Fix an internal corner profile into the corner and apply a bead of Silicone Sealant into the required channel.
3. If fitting a 3 sided kit then the back panel should be fitted first. Apply a bead of Silicone Sealant into one of the channels of the other internal corner profile and fix to the opposite edge of the back panel. Apply a generous amount of Panel Adhesive to the back of the panel then insert the exposed edge of the panel into the fitted internal corner profile. Swing the panel back to the wall and apply pressure to fix in place.
4. If end cap profiles are required then these should be fitted to the exposed edge of the panel using Silicone Sealant prior to fixing in place.
5. Apply a bead of Silicone Sealant into one channel of the internal corner profile.
6. Apply a generous amount of Panel Adhesive to the back of the panel then insert the exposed edge of the panel into the internal corner profile.
7. Swing the panel back to the wall and apply pressure to fix in place.
8. Repeat steps 6-7 for the remaining panels.

FITTING WITHOUT EXTRUSIONS

1. Remove the protective film from the rear of the panel
2. Seal the perimeter and all penetrations and penetration edges with a band of neutral cure silicone extending 50mm from the edge of the panel.
3. Apply adhesive in vertical lines the full length of the panels with 100mm gaps between each line covering the back of the panel.
4. Apply the panel to the wall allowing a 3mm expansion gap in the corner (for a 3 sided shower ensure 3mm is left on both sides of the panel when fitting the panel to the back wall) and a 3-4 mm gap between the bottom edge of the panel and the shower tray.
5. Fit back protective film from the front face of the panel to the width of the door return + 25mm from the outer edges. Fit door returns in place ensuring they are in the correct position and plumb. Drill clearance holes through sheet and wall linings using a blunt drill bit. The drill bit should always be 1 size larger than the screws that are being used to allow the panel room for expansion.
6. Repeat steps 1-5 for all remaining panels.
7. Fill the 3-4mm gap between the bottom edge of the panel and the shower tray as well as along all the vertical edges with neutral cure silicon to ensure a watertight finish.

INTERNAL CORNER

Remove the protective film from rear of the Acrylic Shower Panel. Seal the perimeter and all penetrations and penetration edges with a band of neutral cure silicon or acrylic sealant extending 50mm from the edge of the panel as illustrated in 'SEALING' section.

Apply adhesive to rear of panel as shown in the illustration in 'SEALING' section.

Apply bead of silicone to up-stand lip of tray. Apply a bead of silicone along the full height of the corner onto the liner.

The internal corner is crucial to the installation as it will allow for thermal expansion and contraction.

Each sheet will expand and contract 3mm into and out of the corner silicone joint. The first sheet will butt into the wall and allow for 3mm expansion while the second sheet will butt onto the first sheet allowing for expansion and contraction against the first sheet which was installed. This will reduce the visible joint line to 3mm instead of 6mm.

