



INSTALLATION GUIDE

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Panel Inspection

Panels must be thoroughly inspected upon receipt for any damage or visible defects. The panels are supplied with a protective clear film to the decorative face which should be peeled back but not removed fully to check for any scratches or discrepancies. Leaving the film on throughout install protects the panel however must be fully removed once the installation is complete. **DO NOT** remove the silver foil on the reverse as this is an integral protective layer.

Once the panels or profiles have been cut or installed we regard this as an acceptance of their quality and suitability for purpose and therefore we cannot accept any subsequent claims for faults or damage.

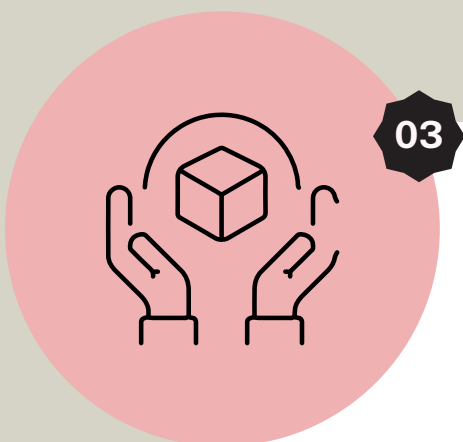
All damages/defects must be reported **within 48 hours**.

Do not install panels that you consider to be defective.



How to store your panels

- Panels should always be stored flat to avoid bowing.
- Panels should never be stored outside.
- Our Adhesive should be stored in cool dry conditions between 5 - 25°C



Panel Handling

Our laser cut acrylic and di-bond panels may have extremely sharp edges and we advise that suitable gloves are worn for protection when handling and installing them. Extra care should be taken when handling, dry jointing and installing larger or shaped panels that have cut outs in them as excessive flexing can cause cracking around the areas.



Planning & Preparation

Before you undertake any type of installation it is wise to carry out a degree of planning that might save you a lot of time and effort later on.

Below are some points that may help.

Acrylic panels must be fitted to a continuous surface such as plaster board, existing tiling, chipboard & plywood sheathing and tile backers providing the surface is sound, plumb, level, clean and dry. All surfaces must be primed using our non-solvent based primer before install to help lock the surface away from the print to avoid damage and increase adhesion. Tiles should also be degreased, cleaned, primed and dried

Necessary pipe work should be fitted and short tails left where they pass through panels. Electrical cabling should be in place and routed to avoid subsequent fixing points.

Shower trays and baths should be fitted in position, these should also be sealed in accordance with the manufacturers recommendations.

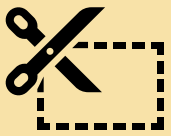
Tools & Fixings

- Acrylic - Jigsaw, circular saw or router - make sure you use fine bladed / downcutting blade
- Di-bond - saw blade with hard steel teeth suitable for non-ferrous metals.
- Screwdriver
- Mastic Gun
- Measuring tape & pencil
- Masking Tape
- Our adhesive sealant and primer must be used for our panels and to activate your warranty.
- Please use the same adhesive to seal your panels as well as to glue them to the wall.

Warranty

In order to activate your 10 year warranty you must purchase our non-solvent primer and adhesive sealant and follow our installation guide.





Sizing & Cutting

Before cutting you should make sure that you have taken into account any allowances for profiles that are to be used. The panels can be cut either using a circular saw, jigsaw or router. Whichever method is used, it is essential that the panel is face upwards, well supported and clamped in place to prevent chattering.

How to cut Acrylic

Make sure you have a nice firm base on which to cut the panel. Any form of flex in the acrylic when applying pressure from cutting may cause cracking or splintering.

Use a fine bladed circular saw, fine bladed jigsaw or fine bladed hand saw.

How to cut Di-Bond

Use a saw blade with hard steel teeth suitable for non-ferrous metals. It's best to choose a blade that is thinner towards the centre as this helps to prevent the blade from getting stuck.

Seamless Design

If you purchase multi panels please do not cut the internal edge of any panel as this will result in your design being compromised.

Mask up. Cut slowly!

You can use a speed bit/wood bit to drill, on a nice firm base and drill slowly. Top Tip: Applying masking tape to the soul plate of the saw or router can prevent scratching.

Circular Saw

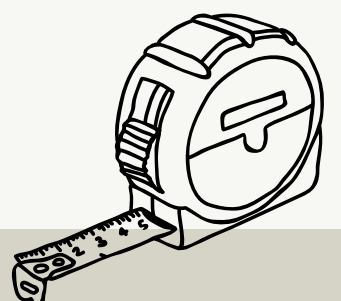
Tungsten Carbide Tipped (TCT) blades that are designed for metals or plastics should be used as these will be fine toothed and give the best finish.

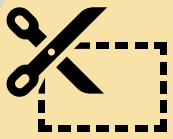
Jig Saw

Jigsaw blades that are specifically designed to cut acrylic should be used such as the Bosch T101A or Makita A-85721 B-21 if these are not available then a fine toothed blade such as those designed to cut metals should be used. A high speed should be selected and the rotary action switched off.

Router

A straight TCT fluted cutter should be used with a cutting speed of 4500m/min





Prepare Your Walls

Hole Saws

Hole saws can be used to cut the acrylic panels but must be the type designed to cut metal sheet and the pilot drill must have a point angle of between 60° - 90° as above.

The panel must be supported from behind, this will prevent the edge from shattering.

Cut-Outs

Shaped cut-outs can be formed by drilling 8mm diameter holes in the corners of the required shape and then cutting between using a jigsaw with an acrylic blade. It is important that the panel is supported at all times. With all cut outs a radius of at least 4mm must be left in the corners failure to do this can lead to the acrylic cracking.

Preparing your wall

We recommend you prepare your wall surface with our non-solvent acrylic primer. This will help with adhesion between the wall surface and panel and prevent any contaminants from penetrating your design.

Masking

Preparing every edge of each panel with masking tape before sealing will save a lot of time and prevent cleaning excess sealant off later on in the installation process.

Adhesive sealant

Our non solvent adhesive sealant **MUST** be used to prevent damage to your design as solvent based adhesive will burn through the UV ink used to create your design.

Sealing at the bottom

A 3mm - 4mm gap must be left between the bottom of the panel and top of the shower tray or bath, this can be achieved by using packers when fixing panels. The gaps should then be sealed ensuring the adhesive sealant fills any voids.

To glue the panel to the wall, run vertical lines of glue down the wall at intervals of 100mm, gently press the panel to the wall and use a straight edge to press the panel firmly to the wall.

When installing two sheets you must allow for a 3mm silicone gap around each edge to compensate for sheet expansion and contraction.

Sealing at apertures & cut-outs

An expansion gap of 2-3mm should be allowed where pipes or fittings are required including where collars are to be fitted. The void should then be filled with adhesive sealant.

Fitting through Acrylic Panels

Fittings such as shower attachments, screens, towel rails, etc can be fixed directly through the panels using suitable fixings. Heavy items will need solid fixing points behind the panels to provide the necessary support, these should be considered when planning your installation.





Quick Fire Guide for compatibility and installation.

- Our panels can be installed on various surfaces, including plasterboard/drywall, ply, aqua board, plastered wall, and solid concrete/brick wall. The key is to prepare the surface correctly using our non solvent primer, which seals the wall and enhances adhesion.
- When measuring, leave a 3mm gap on all sides to accommodate panel expansion due to temperature changes. For adjoining panels (side by side) allow a 2-3mm gap to ensure a watertight seal using our own recommended clear adhesive sealant creating a seamless finish.
- Using our clear adhesive sealant is crucial to protect the reverse-printed image. We use UV ink, single white coat plus silver foil for added protection. Using a solvent based adhesive may damage the print. Our recommended solvent free primer and adhesive are essential for optimal installation and to activate your warranty.
- Apply adhesive in vertical lines at 100mm intervals. Press the panel onto the wall using a horizontal straight edge to ensure even spreading and eliminate trapped air.
- Due to its slight flexibility, acrylic may crack or shatter if mishandled. Follow these steps for a successful installation.
- Cut SLOWLY on a SOLID BASE with a fine bladed jigsaw, circular saw or hand saw.
- The same applies for the dibond. A metal fine blade would be the better option.

READ OUR FULL INSTALLATION GUIDE ONLINE

ANY QUESTIONS - JUST EMAIL US

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