



Splashback Installation Instructions



What is Akril?

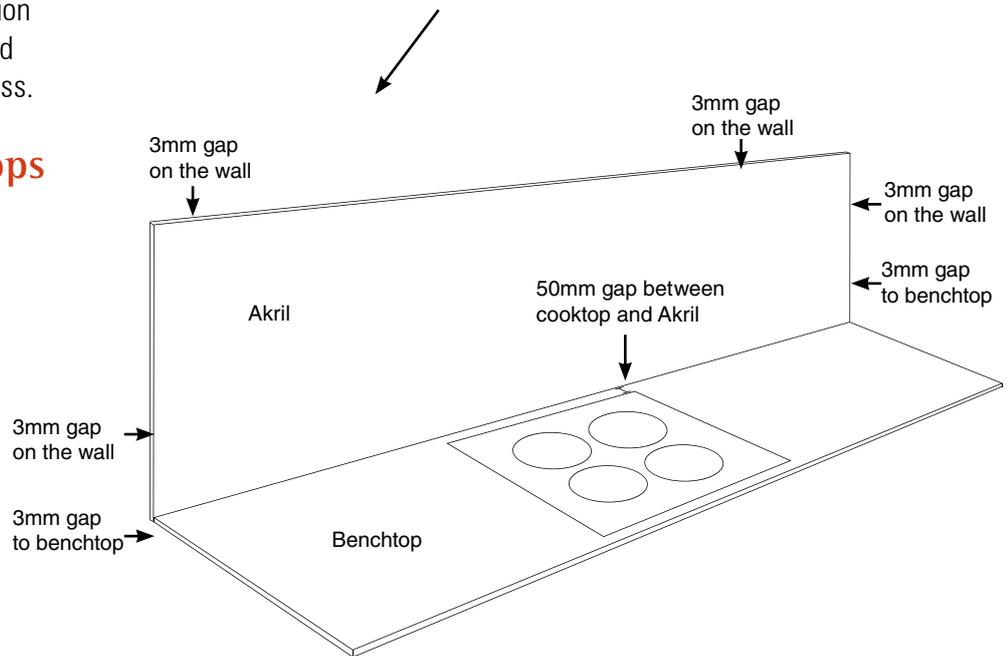
Akril is an Australian made environmentally friendly, highly engineered polymer, enhanced with colour. Quite simply, it offers a new source of design inspiration kitchen and sliding doors. Being half the weight of glass and 25 more impact resistant Akril is the logical alternative providing a safe environment for families knowing Akril will not shatter when hit with force.

Induction

Akril can be used directly behind induction cook tops at all times, reducing time and hassles associated with colour back glass.

Electric | Ceramic Cooktops

Akril can be used directly behind electric and ceramic cook tops at all times when covered with cookware. An exposed cook top when turned on displaces far greater radiant heat than when covered which can potentially damage your splashback. Therefore Akril is only covered under warranty against normal wear and tear. (See Heat Tolerance section)

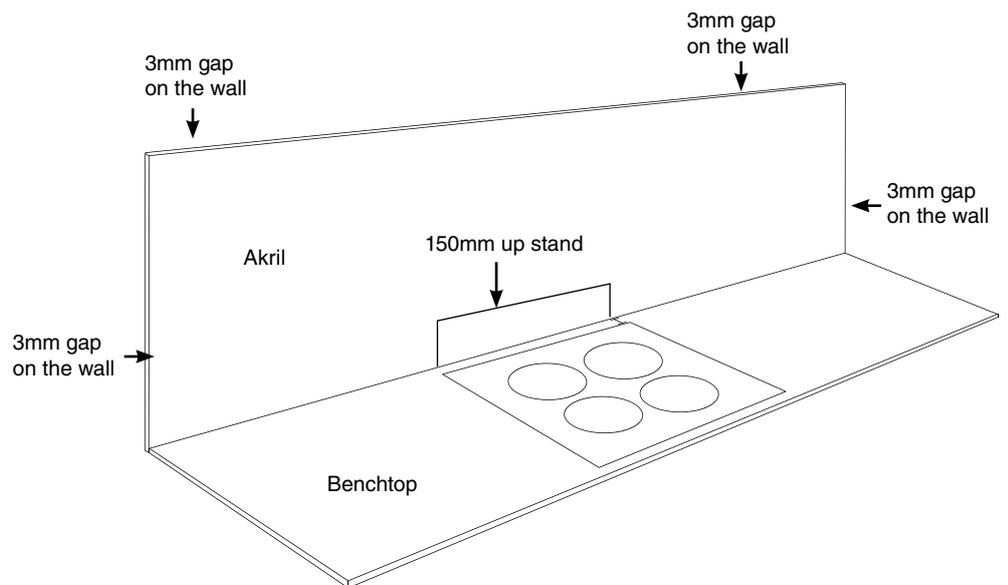


Gas Cooktops

Akril is used behind gas cooktops when used in conjunction with a non combustible materials such as glass, tiles or stainless steel.

Akril requires a minimum 150mm up stand behind the gas cooktop complying with Australian standards allowing Akril to run above the 150mm up stand giving a seamless finish. Alternatively stainless steel, glass or tiles can run all the way to the range hood.

That's brilliant.



Cutting Akril Down

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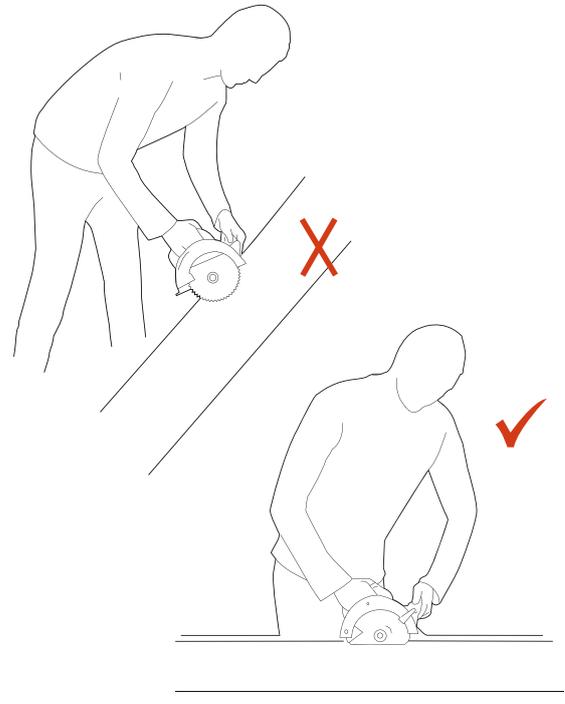
Circular Saw

Always cut Akril on a flat secured surface.

With quality equipment, an excellent edge finish can be achieved with Akril. 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 blade's sideways float, and will begin to wear quickly. This will have a dramatic impact on cut quality.
- Blade selection. Always use a blade with the correct cutting geometry. Aluminum blades generally work well with Akril.

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



Circular Blade Geometry and Conditions

Circular Blades for Akril.

Akril is best cut using fine-tooth Aluminum circular blades with either a "hollow ground" geometry or a "triple chip" blade with the following geometry and conditions;

Blade Diameter	255-305mm
Number of Teeth	80-100
Tooth Thickness	3-3.5mm
Clearance Angle	15-20°
Cutting Angle (Rake)	-5°
Cutting Angle of Setting Band	2-3°
Blade Speed	3000-5000rpm
Surface Speed	3000-4000m/min

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 Akril 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.

Cutting of Penetrations

When measuring and marking for cut-outs around power outlet boxes etc, ensure enough clearance is given for the switch body and that the cover plates or bulkhead fittings will cover the finished cut-outs.

Use an approved sealer to seal the edge and a 50mm perimeter of the painted side of any Cut Outs.

Heat tolerance

Akril is classed as combustible material and must not be installed behind an open flame, cook tops or when the temperature exceeds 118 °C.

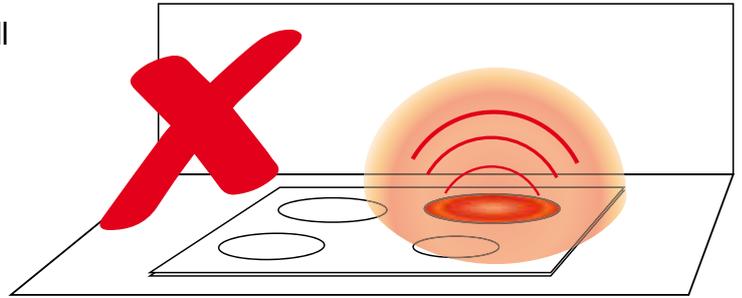
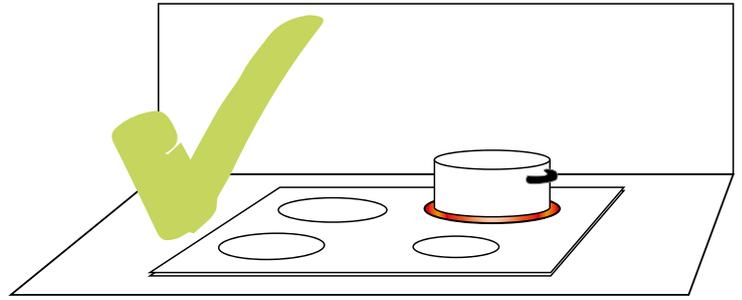
Akril Panel has been engineered with a higher heat resistance than standard Acrylic:

Vicat Softening Point - 118°C

Heat Distortion Point - 100°C

Do not leave your hot plate unattended. Radiant heat will damage your Akril splashback.

A cook top left unattended for greater than 10 minutes will cause damage to your splashback and therefore will not be covered under warranty. Akril is tested to withstand temperatures up to 100 deg for 10 minutes before failure.



Splashbacks

WET AREAS

Akril is ideal for use as a wet area splashback.

Most local bodies now require a waterproof barrier to the area immediately behind a splash zone (bathroom vanity, bath etc). In this area Akril is fully compliant with all council requirements.

KITCHENS

Akril makes an excellent splashback for areas behind bench tops. However, due to the differing specifications of cook tops and their ability to deflect large amounts of heat, Akril is not recommended for use as a splashback in the critical heat zone in areas immediately behind cook tops.

In this application it is recommended to cut Akril to the edge of the appliance and within 200mm of the periphery of the nearest heating element.

Akril is not recommended for use behind gas hobs or burners. It is recommended a non combustible material goes behind the cook top

150mm high or more complying to the appropriate Australian Standard. Akril can be used past the point of 150mm high from the bench top. Alternatively a non combustible material could be used all the way up.

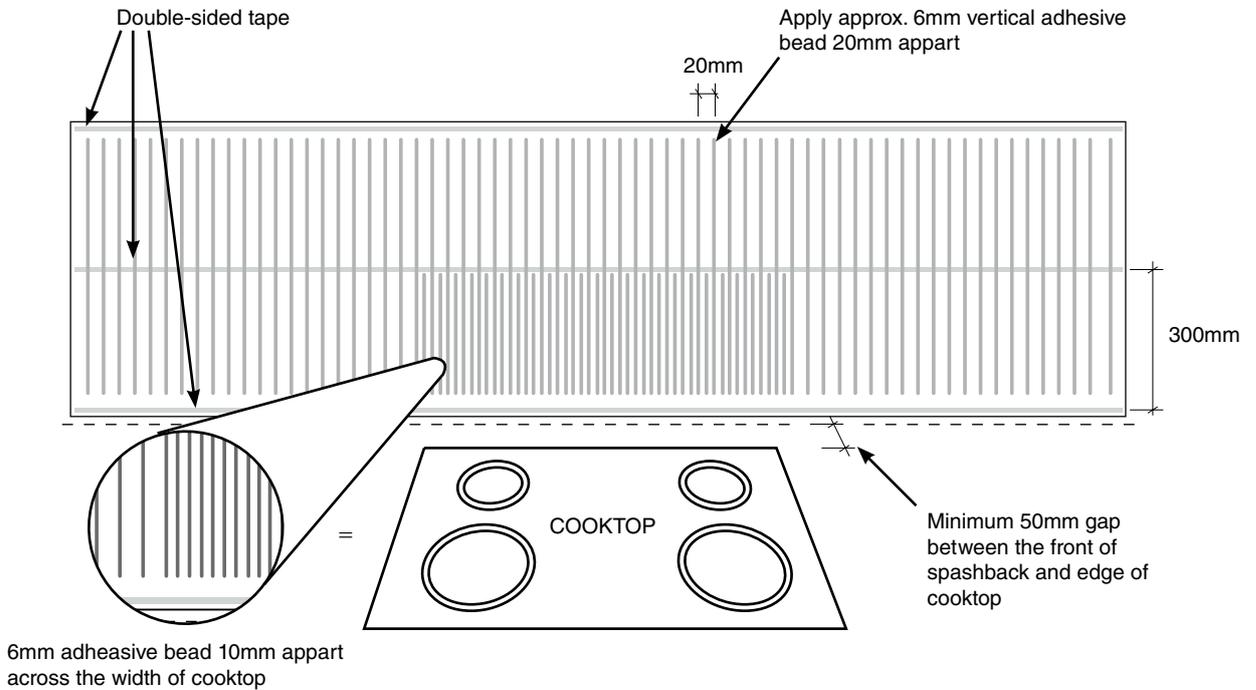
All installations must comply with AS/NZS

5601.1— 2008 Gas installations.

What adhesive do I use?

AKRIL ADHESIVE SYSTEM

Akril recommend using the Bostik V60 neutral cure silicone. Only neutral cure silicones should be used, this will ensure there is no bleed through the painted finish. When used in wet areas they must be used according to instructions as detailed (see from page 25 onwards).

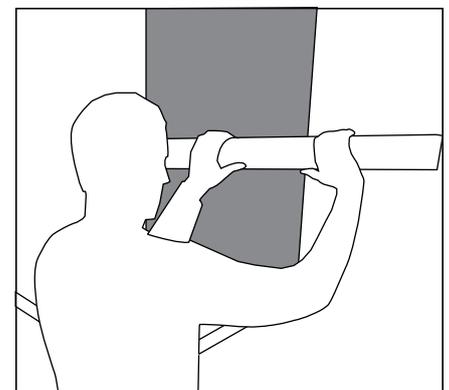
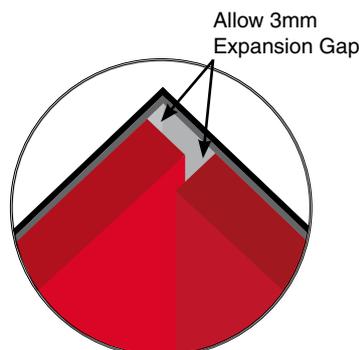


Silicon Join

GENERAL SILICON SYSTEM

Silicon jointing systems are acceptable for use in both wet and dry areas. In all instances standard glazing industry silicon jointing practices must be followed. Use only neutral cure silicon when joining Akril.

- Internal Corner
- External Corner
- Edge Cap (Supplied by Aluminum Supplier)
- Butt Join
- Internal Mitred Corner
- External Standoff
- Internal Standoff
- External Mitered
- External Butt



Use a straight edge to press Akril



Run silicone down the internal corner

Removing Protective

Film

Akril is supplied with protective film on both sides:

Recycled Sticker: Akril is also supplied with a recycled sticker number 7, which should be left on the Akril for its recycled life after use.

Painted Side: has a plastic film design for protection of the painted surface. Remove this film when all machining operations are complete and the panel is ready to be adhered to the wall/surface.

Exposed Side: has a clear plastic film designed for protection against scratches.

Remove the film completely at the very last stage by gently peeling down the sheet surface – never peel at right angles to the sheet as this may pull the sheet away from the installed wall/ surface.

Never attempt to cut the protective films with a knife as this may scratch the surface.

Finishing the edge after cutting

If the Akril edge is to be left exposed, it can be easily finished to a polished glass-like quality. A good finish left from the machining process will take considerably less time to finish.

Always peel back the protective film 25mm from the edge while polishing. Remove any sanding dust between grades and polishing compounds immediately.

HAND FINISHING

1. Use a 400-grit paper to remove any cutter marks from the machined edge and then progress to a 600-grit.
2. Chamfer any burrs or marks from the corners.
3. Using a soft, clean cloth and a suitable polishing compound (see page), hand rub the edge to a polished finish.

FLAME POLISHING

A well-machined edge can be flame polished using a Hydrogen/ Oxygen mix.

Contact an Acrylic fabricator for this service. An experienced operator can leave an excellent finish.

Technical Support

It is not practical to describe every possible application for Akril in this document.

For Technical support please contact Akril on 1800 464 728.

If the installer is required to fit any extra utilities to the Akril be sure to follow the steps in this document where machining is needed.

This document is a guideline for installing Akril and will not wear any liability for waterproofing which should be installed to the current Australian Standard.

For technical help please contact Akril on 1800 464 728.