

DO NOT START INSTALLATION UNTIL YOU HAVE READ THIS

Trade Tips for Cutting & Planing Akрил Panel

Step 1 Make sure you have a stable work area. It's crucial the panel doesn't move while cutting. **Never cut Akрил panel unsupported.**

Step 2 Inspect that the tools you are using have the correct cutting blades. Always use an acrylic or a fine tooth aluminium blade. This method will give you the best results.

Step 3 Take your time cutting the panel - don't rush. If you have to force your tools you are using the wrong blade or you are burning the acrylic. Stop and replace with the right blades.

Step 4 When cutting the panel with an internal corner always pre-drill an 8mm hole. This will stop the panel from cracking if and when it may expand.

Step 5 If you are installing Akрил and you find you have not left the required 3mm gap you can plane the panel using a electric or battery powered planer.

Trade Tips Installing Akрил Splashbacks

Step 1 If you need to cut the Panel allow for a 3mm expansion cap all way round.

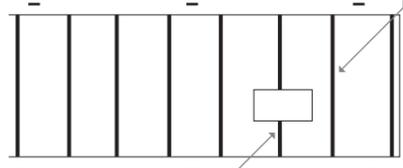
Step 2 Check that your silicone is (NEUTRAL CURE - CLEAR ONLY).

Step 3 Remove the clear protective film to expose the painted surface.

Step 4 Apply a minimum 7mm silicone bead x 100mm apart vertical lines to the painted surface.

Step 5 Check that your 3mm spacers are in place.

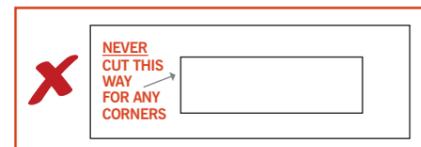
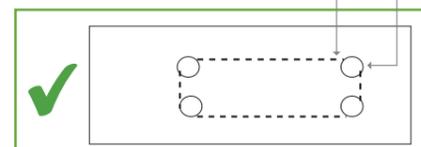
Step 6 Apply the panel to the wall using a straight edge to insure the mirror finish.



Cutting Out Power Points

Step 1 Pre-drill 4 X 8mm Hole Using 9-degree Pitch drill Bit on a Flat Surface

Step 2 Cut hole-to-hole using a jig saw with a fine tooth acrylic/blade



Trade Tips Installing Akрил Wall Panel

Step 1 If you need to cut the Akрил Panel allow for a 3mm expansion cap all way round.

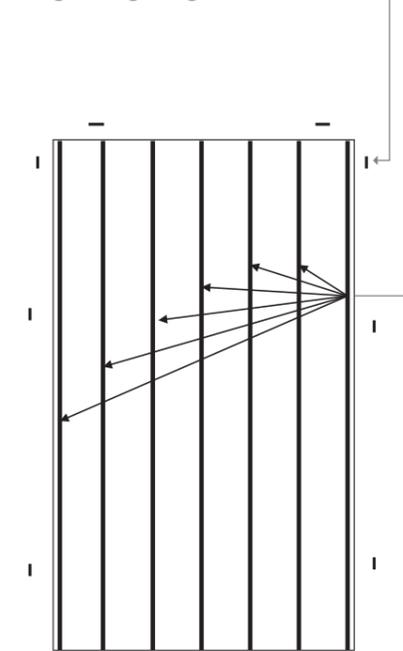
Step 2 Check that your silicone is (NEUTRAL CURE - CLEAR) and is suitable for the substrate.

Step 3 Remove the clear protective film to expose the painted surface.

Step 4 Apply silicone bead in vertical lines a minimum 7mm x 100mm apart to the painted surface.

Step 5 Check that your 3mm spacers are in place.

Step 6 Apply the panel to the wall using a straight edge.



Let your
imagination
run wild

Akрил installation guide for Splashbacks and Upstands in kitchens, bathrooms

Akрил care maintenance guide

Akрил surfaces are durable and in the unlikely event of being damaged can even be repaired or refurbished – unlike virtually every other surfacing material, including glass. Akрил will last for many years with simple care. Please follow these instructions to preserve the beauty of your Akрил surfaces and your 10 year warranty.

Every day care

Akрил is a polymer glass. It has a much higher heat resistance than conventional polymers (up to 100°C). Avoid any direct contact with any source of heat in excess of 100°C.

A change to the appearance of the surface colour over time is a natural characteristic of Akрил and is not a defect.

Avoid locating Akрил where it will be exposed to direct and strong sunlight

or other sources of UV rays as this may change the colour of Akрил.

Akрил is 25 times more impact resistant to glass, but avoid impact and scuffs with sharp or heavy objects to reduce the risk of damage.

Basic stains

Wash with mild soap or detergent, using plenty of warm water. Do not use an abrasive cleaner. Dry with a soft cloth (a microfibre cloth is the best one to use) or chamois. Grease, oil or tar can be removed with Metholated spirits or Isopropyl alcohol. Solvent residue should be removed by washing immediately.

Do not use: Scouring compounds, steel wool, harsh scrubbing brushes, chloroform acetone, benzene, toluene, xylene, dichloromethane, amyl

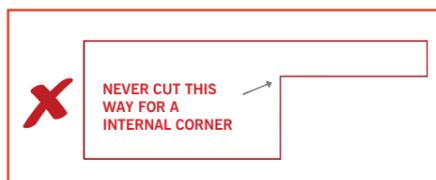
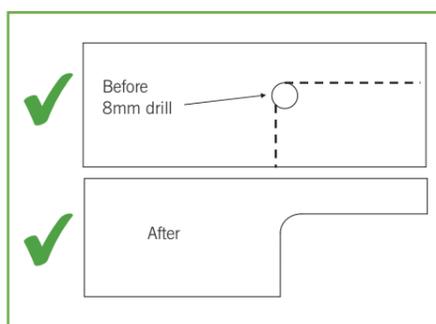
acetate, glacial acetate acid, butyl alcohol, butyl acetate, cellusolve, cresols / phenols. Ethyl acetate, chlorinated solvents, halogenated solvents, methyl alcohol, sulphuric acid, dilute acids, MEK methyl ethyl ketone (PVC pipe glue).

Surfaces that have accidentally been exposed to these chemicals should be flushed promptly with water, using appropriate measures to avoid injury.

Akрил engineered polymer glass is easily installed on site by anyone with woodworking skills and tools.

These installation guidelines must be followed in order to protect your 10 year limited warranty.

General installation guidance.



Akрил™
10 Year Warranty

Each Akрил installation will have a 10 year limited warranty, provided the following conditions are met. The Akрил panel must be fabricated and fitted by an experienced and well qualified fabricator and installer.

All fabrication and installation must comply with the Akрил fabrication manual.

The fabricator and installer must inspect the Akрил panel for colour matching and general quality and if necessary arrange for a satisfactory replacement before starting the fabrication and installation process.

Although Akрил will make its best effort to repair or replace with the best possible match to the original as possible, CME Akрил cannot guarantee the exact colour match in the event of repair or replacement.

Material will be replaced if it is found to be faulty, but labour charges will not be covered either during or after fabrication and installation. Use only approved adhesives.

After installation, the user of the Akрил surfaces must comply with the Akрил maintenance guide.

A change to the appearance of the surface colour over time is a natural characteristic of Akрил and is not a defect.

To enhance the customer's experience of Akрил surfaces, we have produced a comprehensive Akрил maintenance guide. This guide is available from all Akрил suppliers. It is important that you ask your supplier for a copy of this guide.

Sales to domestic users

This limited warranty is transferrable, so the home owner will be able to pass it along when they sell their home, provided the new owner notifies CME Akрил in writing at CME, Antonella Court, Dandenong, Victoria 3175, Australia.

Commercial users

This limited warranty is not transferable for commercial projects.

www.akрил.co.uk

Cutting

Method no 1: Marking gauge

This method should only be used over short lengths of material and is not recommended if the appearance of the edge of the Akрил panel is critical.

When cutting a panel with a marking gauge, use a suitable straight edge and score the line 2 or 3 times. The groove must be uniform in depth across the panel and must penetrate approximately 25% of the panel

thickness. Position the panel so the groove faces upward and then fold or snap the panel over a suitable piece of wood which follows the score line.

Method no 2: Circular saw

Cutting Akрил using a circular saw which is well supported, has a suitable guard and a guide to ensure the accuracy of the cut. The circular saw requires a blade with hard alloy teeth and no offset. Ensure the Akрил panel is well braced before cutting and also ensure that the panel is protected from surface scratches and

other damage.

Circular blade geometry and conditions

Blade Diameter	255 – 306mm
Number of teeth	80 – 100
Tooth Thickness	3 – 3.5mm
Clearance angle	15 - 20°
Cutting angle	-5°
Angle of setting band	2 - 3°
Blade speed	3000-5000rpm
Surface speed	3000 - 4000m/min

What is Akril?

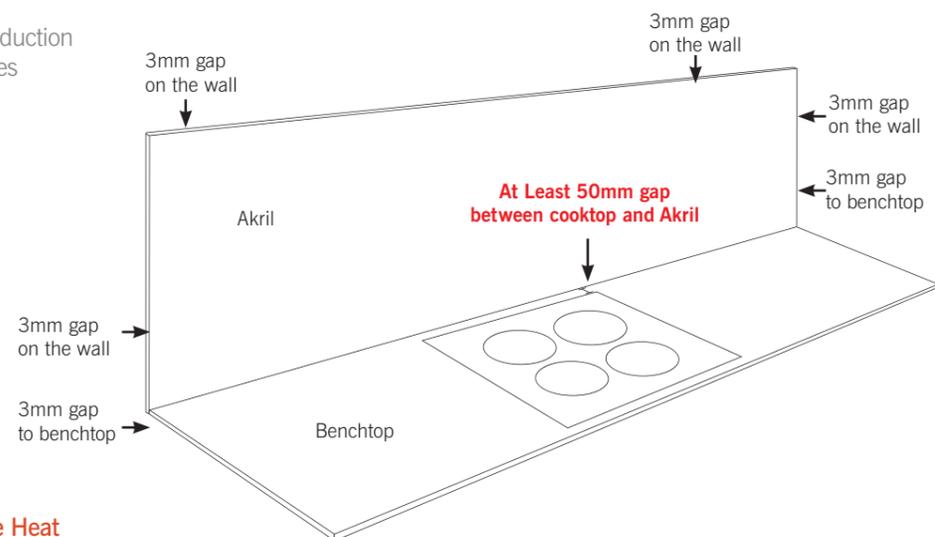
It's an environmentally friendly, highly engineered polymer, enhanced with colour. Quite simply, it offers a new source of design inspiration for kitchen and sliding doors. Being half the weight of glass and 25 times more impact resistant, Akril is the logical alternative, providing a safe environment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

Induction

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

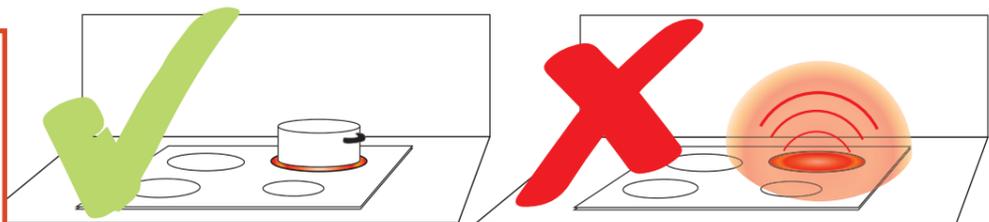
Electric | Ceramic Cooktops

Akril can be used directly behind electric and ceramic cook tops when covered with cookware. **An exposed cook top emits far greater radiant heat than when covered and this can damage your splashback.** Therefore Akril is only covered under warranty against normal wear and tear. (See Heat Tolerance section) on the website www.worktop-fabrications.com



Heat tolerance

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

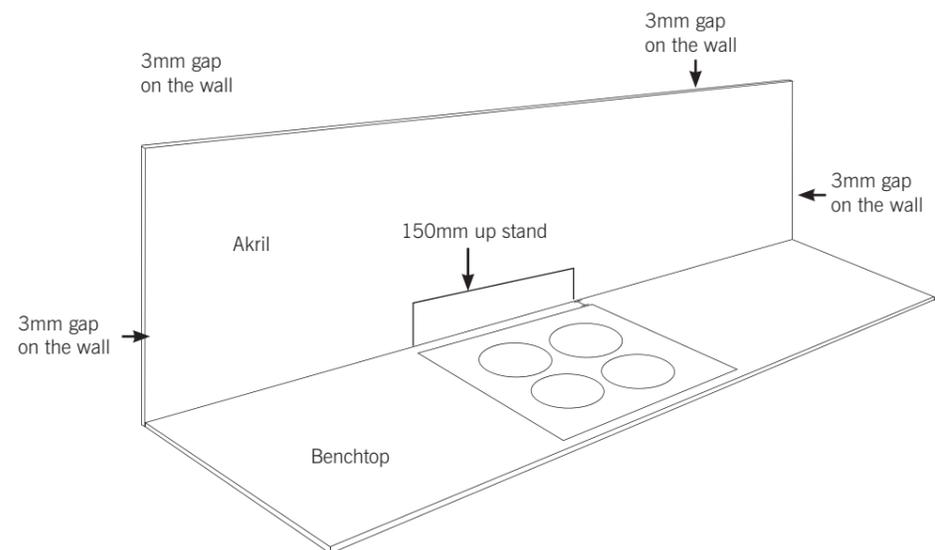


Gas Cooktops

Akril must be used behind gas cooktops in conjunction with a non-combustible material such as glass, tiles or stainless steel.

Akril requires a minimum 150mm up stand behind the gas cooktop. Akril can be used above the 150mm non-combustible up stand. Alternatively, stainless steel, glass or tiles can run all the way to the range hood.

That's brilliant.



Method no 3: CNC router

This is a specialist method of fabrication. It is used for intricate shapes and exact cutting specifications. If you do not have a CNC router machine, you will need to seek out an industry professional to supply this method.

Other methods

Jig saws and band saws are acceptable for cutting Akril panels. Use only blades designed for aluminium.

Hole saws

Hole saws should be sharp, but the pilot hole must be blunt. Make sure it is a metal type of hole saw with no offset. It is recommended to drill half way through the thickness of the panel. Then turn the Akril over and finish the hole. This prevents the edge from "blowing out". De-burr the edge with 100-grit paper.

WHEN USING JIG SAWS OR CIRCULAR SAWS, ALWAYS CUT INTO THE PAINTED SIDE EXITING THE CUT OUT THROUGH THE CLEAR FACE, ALWAYS MAKE SURE THE CUTTING TEETH ARE GOING INTO THE PAINTED SIDE – ALWAYS MAKE SURE YOU HAVE A GOOD SHARP CUTTER BLADE/CIRCULAR SAW / ROUTER CUTTER.

Drilling

A drill press or electric drill may be used. A standard metal or wood drill will cut into the Akril panel very quickly and may cause damage through cracking or splitting. **Use a drill bit suitable for drilling plastic.**

You can also use a plunging type router to produce a hole in an Akril panel. Employ the same principles as electric drilling methods.

1. When drilling Akril using a drill press, the revolving speed is increased if the hole diameter is small (0 – 4mm)
2. If the hole is large in diameter, decrease the speed. A hole saw may be used to further enlarge the opening. Make sure it is a metal type of hole saw with no offset.
3. Firmly secure the Akril panel before drilling

4. To avoid work bench damage, use a scrap sheet of timber or plastic of 5 – 10mm thickness underneath the cutting area and allow the bit to drill into this support.

Removing the protective film

Akril is supplied with protective film on both sides.

Exposed side: This has a clear plastic film designed to protect against scratches. Remove the film completely at the very last stage of installation 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 / surfaces.

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

Sanding/Polishing the show edge

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 initial cutting process will take considerably less time to complete to a good finish. Always peel back the protective film 25mm from the edge while polishing. Remove any sanding dust between grades and polishing compound immediately.

Hand finishing

Use a 240-grit paper to remove any cutter marks from the machined edge and then process to 400-grit then 600-grit.

Chamfer any burrs or marks from the corners.

Using a soft, clean cloth and the Mirka M35 polishing paste (or equivalent), hand rub the edge to a polished finish.

4. Clean with a soft dry cloth

Flame polishing - see website www.worktop-fabrications.com

Repairing very fine scratches on the AKRIL face

Fine scratches can be buffed out with the M35 Mirka cutting

compound (or equivalent). Use a clean cloth and always polish in a circular motion, remove residue with warm clean water – **DO NOT ALLOW THE COMPOUND TO DRY DURING THE POLISHING PROCESS, THIS WILL FURTHER SCRATCH THE SURFACE, AND YOU WILL HAVE TO START AGAIN.**

Deeper Scratches - These can be removed, see website www.worktop-fabrications.com

Hobs

1. **Do not fit Akril as a back splash behind a gas hob, the matching heat resistant upstand must be used, or a non-combustible heat resistant material, fixed inset, or onto the Akril**
2. Akril can be fitted as a back splash with any other type of hob, electric, induction etc, **just make sure there is at least a 50mm gap between the Akril back splash and the cooker top.**