

# Reflections. REFLECTIONS

Splashback & Wall Panel



## INSTALLATION GUIDE

SEE OUR WEBSITE FOR COMPREHENSIVE DIY VIDEO GUIDES

[REFLECTIONSPASHBACK.CO.NZ](http://REFLECTIONSPASHBACK.CO.NZ)



## GENERAL INFORMATION

Reflections Splashback + Wall Panel is a highly advanced panel ideal for any vertical applications.

Perfect as a kitchen splashback or in your shower recess, Reflections offers an affordable and DIY alternative to glass. Easily installed, Reflections can be used for any indoor or outdoor renovations and can be applied directly on top of an existing tile wall. With a smooth, grout free finish, this panel requires minimal maintenance and is easily cleaned with a slightly damp microfiber cloth.

## RECOMMENDED PRODUCT APPLICATIONS

- Kitchen splashback
- Shower/Bathroom splashback
- Vanity splashback
- Laundry splashback
- Alfresco kitchen splashback
- Feature wall

## CARE & MAINTENANCE

Reflection Splashback + Wall Panel is easy to clean using a mild detergent and a soft microfiber cloth. Simply wipe off cooking oils and food splashes.



## TECHNICAL PROPERTIES

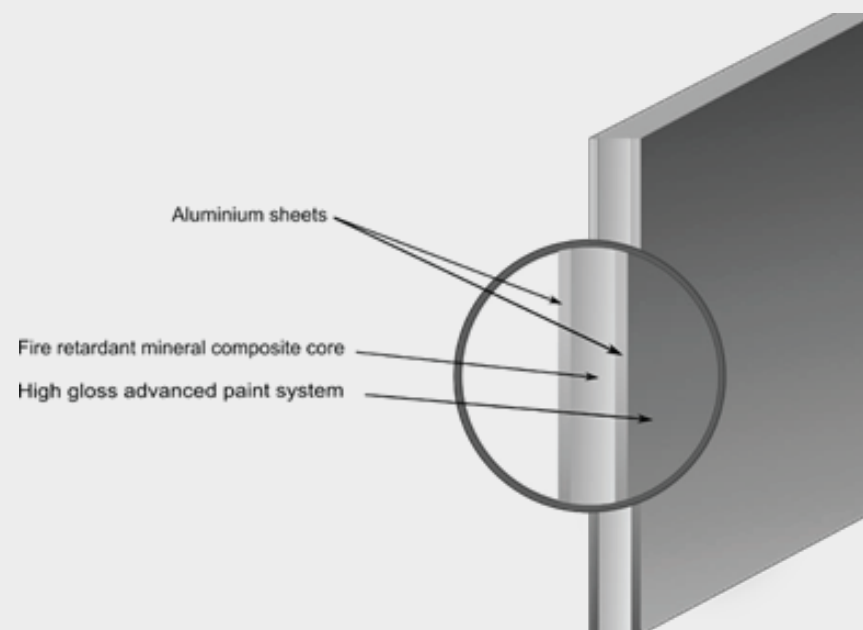
Reflections is composed of a fire retardant mineral fibre composite core, wedged between two 0.5mm sheets of aluminum. Reflections offers a fire retardant product, compliant with AS 4551 and NZS: 5601.1.2013, ensuring its suitability for use behind freestanding or bench mounted gas, electric and induction cooktops. For gas cooktop installations, Reflections is Australian Lab Certified to be installed with a minimum clearance of 110mm to the edge of the REAR burner. However, each appliance manufacturer has specific installation requirements so we therefore also recommend that you refer to your cooktop installation specifications.

## PRODUCT SPECIFICATIONS

Thickness	4mm
Nominal Weight	7kg/m2
Fire retardant	Yes

*Compliant with: AS 4551 and NZS | 5601.1.2013*

Reflections is also 100% waterproof and UV resistant and is suitable for use in high-moisture areas such as a shower recess or behind a sink and in outdoor applications.



## WARRANTY

*Reflections Splashback + Wall Panel has a 7-year limited warranty whether you install it yourself or use a professional installer. Warranty is only valid if Reflections Splashback + Wall Panel is installed and fabricated according to this Installation Guide.*

## IMPORTANT INFORMATION

### PLEASE READ BEFORE YOU START

***All Reflections sheets have protective film on both sides of the panel to prevent damage during storage, transport and handling.***

Keep the film on the chosen decorative side of the panel until instructed to remove it at the end of the installation process.



- **Preserving the high gloss coating during the installation process**

Do not remove the protective film covering the panel until the installation is completed.

Avoid scratching panels with any sharp tool or object.

- **Safety**

Always wear the appropriate protective equipment (clothing, footwear, and eyewear) during the installation process.

Larger sheets can be heavy (e.g. a 3100mm x 1000mm sheet weights approximately 21.7kg). Get assistance for lifting and handling larger sheets.

- **Sheet Inspection**

Please inspect Reflections Splashback + Wall Panel upon reception for any visible sign of damage during transit or due to handling. Make sure that the protective film is intact on the chosen decorated surface and is free from drag marks or deep scratches.



## TOOLS & EQUIPMENT

Conventional hand tools are ideal for the fabrication of your splashback. The installation of Reflections panel may demand some or all of the following items depending on your installation requirements:

### MEASURING

- Measuring tape
- Lead pencil or ball point pen
- Carpenters Square
- Straight edge or similar

### INSTALLING

- Silicone caulking gun
- Neutral cure silicone adhesive  
Bison 980 for wall board  
(Sikaflex 11FC or Holdfast HG MS for adhering to tile, brick, timber, stainless steel etc)
- Masking tape
- Colour or clear silicone for caulking perimeter
- Double sided tape

## CUTTING

### THE FOLLOWING EQUIPMENT

### IS SUITABLE FOR CUTTING

- Circular saw with fine tooth carbide tipped blades for aluminium or plastic use
- Panel or table saw with fine carbide blade
- Hand router using high speed TC blade
- Hole saw or drill using HSS drill bits
- Jigsaw
- Fine and medium grit sandpaper and sanding block or power planer

### CUTTING REFLECTIONS SHEET

- Reflections Splashback + Wall Panel is best fabricated on a solid work platform (e.g. bench or stable board).

### IMPORTANT

***Before using your skill saw or jig saw to cut the Reflections panel it is advisable to adhere cloth tape or multiple layers of masking tape to the base of the tool to protect the surface.***

## COOKTOP INSTALLATION

### RECOMMENDATIONS

For all bench mounted cooktops (i.e. electric, induction & gas cooktops) – we recommend installing Reflections Splashback + Wall Panel with a minimum 20mm set back (c.f. Figure 1) from the rear edge of the cooktop. This is to provide sufficient clearance for oversized cooking pots.

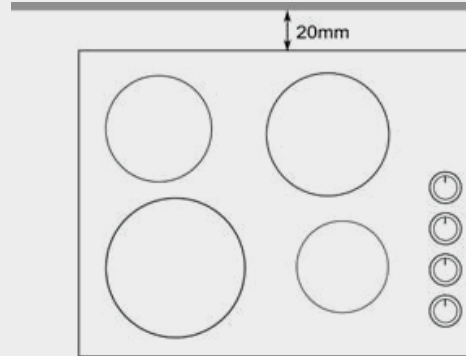


Figure 1 – All cooktops recommended distance from Reflections

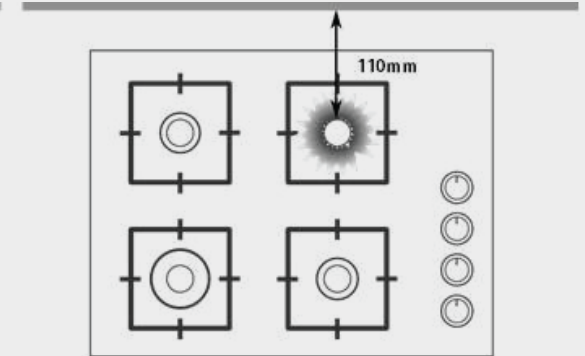
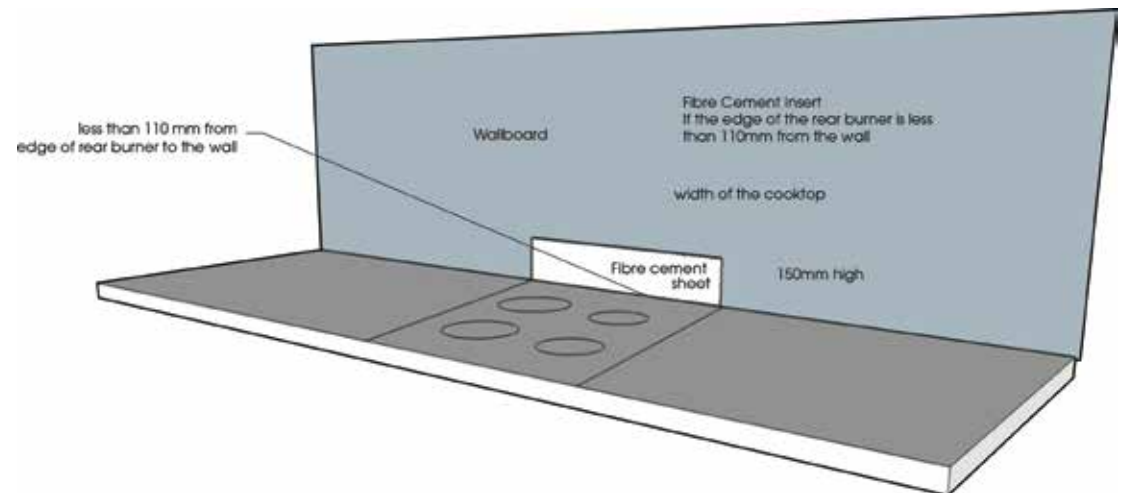


Figure 2 – Gas cooktops mandatory clearance

## GAS COOKTOP INSTALLATIONS

The following recommendations only apply to the installation of a gas cooktop.

For all gas cooktops the minimum clearance between the naked flames (i.e. edge of the burner) to the surface of the splashback is 110mm (c.f. Figure 2). This requirement is mandatory unless you are covering an existing tile wall OR Reflections Splashback + Wall Panel is installed directly onto rendered brick and/or cement brick walls OR a section of wallboard directly behind the cooktop is replaced with a piece of fibre cement sheet. This is required to be the width of the cooktop and 150mm high. See Figure 3 below.



## STEP-BY-STEP INSTRUCTIONS

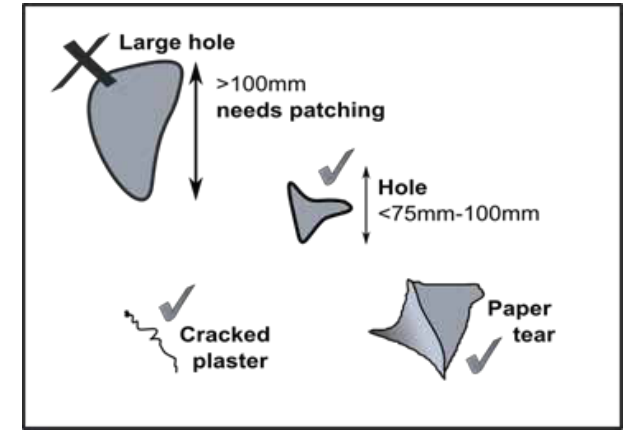
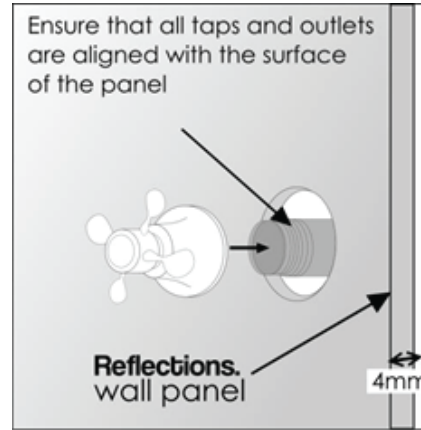
### 1. AREA PREPARATION

Make sure that all fittings allow for the thickness of Reflections panel and decorative trims if applicable (cf. Figure 5). If you are using Reflections behind a cooktop, please refer to page 3 of this guide for installation clearances. The wall area must be dry, clean and free from major damage, crumbling plasterboard or grease. Any holes larger than 100mm across should be patched or filled (c.f. Figure 4)

### COVERING AN EXISTING SURFACE ( TILES)

Reflections Panels can be used over an existing surface however there are some points that need to be considered prior to this type of installation .

- Be aware that the perimeters of the panel will need to be considered. If you are adhering onto tiles which have an exposed edge then the panel will sit out from the wall 4.5 mm plus the depth of the tile you are adhering to which could be 6 mm, ultimately being 10 – 12 mm. This can be addressed with a trim, but often it can be best just to remove the tiles in the first instance.
- If your panel is completely bordered by cabinetry or an end wall the option of installing directly over the tile is worthwhile



## 2. MEASURE

- Take your measurements with precision to the mm
- Protect the wall panel and place it face up on a clean surface. Remember ! Do not remove the protective film until the splashback has been fitted to the wall.
- Report your measurements onto the wall panel.
- Ensure you provide approx. a 2 mm tolerance around the perimeter of the panel to allow for normal building movement

## 3. CUT AND FIT

Cut and fit your panel to your measurements with:

- Jigsaw for all the cuts (Ensure you have adhered the cloth tape or masking tape to the base of your saw.)
- Circular saw. (Ensure you have adhered the cloth tape or masking tape to the base of your saw.)
- Cylinder saw and drill for all outlets and power point fit outs

### **Notes on Saw Cutting:**

- Remove cutting chips from Reflections carefully after cut, to avoid dents during storage and assembly.*
- Sharpen or replace the saw blade when it becomes dull. Dull blades will result in a large burr or distortion at the cut edge.*

## 4. CUT OUT ELECTRIC PLUGS AND ALL PIPE OUTLETS

Measure the horizontal and vertical axis of the plug/outlet. Report the measurement onto the panel. Pierce a hole with the drill to introduce the blade of the jigsaw. Cut out using the jigsaw or cylinder saw.

### **Note:**

*It is recommended that if any electrical work is to be performed, this should be carried out by a certified electrician.*

## 5. DRY TEST

Apply the wall panel against the wall without any adhesive to test its positioning. Adjust if necessary and try again.

## 6. TAKING OFF THE BURR

Use 60-80 grit sandpaper to address the cut edges taking care not to contact the face of the panel. A light sand will remove any of the burs created during cutting.

## 7. REMOVE THE PROTECTION FILM FROM THE REAR OF THE PANEL

Take off the protection film from the reverse of the wall panel. Also gently pull away the plastic from front side of the panel about 20 mm from the edge only. This allows you to see and remove any filings or other cutting material from the edges.

## WARNING!

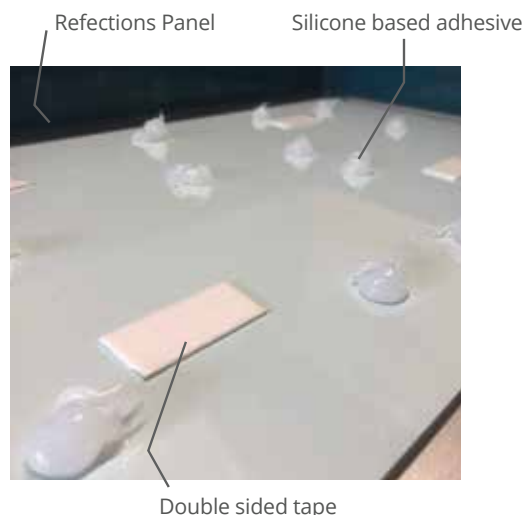
DO NOT TAKE OFF  
THE PROTECTION FILM FROM THE  
FRONT SIDE OF THE PANEL.



## 8. APPLY THE SILICONE AND/OR THE ADHESIVE

Apply 40mm pieces of double sided tape randomly to the panel as shown. This tape has a good contact bond (c.f. Figure 6). This is to hold the panel in place while the silicone adhesive dries.

Apply the silicone with the caulking gun in the form of dots. About the size of a \$2 coin and about 8 mm high randomly across the panel approx 150 mm apart. Add another bead of silicone around the cut outs.



## 9. APPLY THE PANEL AGAINST THE WALL AND SEAL

Place the panel against the wall applying even pressure across the panel. Aim for a 1-2 mm gap around the perimeter of the sheet where it meets the bench/cabinetry/wall. This is to allow for building movement.

## 10. EDGE TRIMS

Edge trims are used on the exposed edges of the panel. The recommended edge trim is a "6mm L Angle, Brushed Aluminium"

The edge trim is installed during the panel installation process. A small amount of adhesive silicone should be placed close to the edge of the panel to hold the edge trim in place. (this only needs be a very small amount). Once the panel is pushed into position, the edge trim after being cut to length is slid into position.

The trim is best cut with a hacksaw. (See our instructional video on our website for tips and tricks on cutting and inserting the edge trim).

[www.reflectionssplashback.co.nz](http://www.reflectionssplashback.co.nz)

## 11. APPLYING PERIMETER SILICONE

Apply the perimeter silicone between the splashback and the benchtop - splashback and any adjoining cabinets or wall. This is an expansion joint. See our video at [www.reflectionssplashback.co.nz](http://www.reflectionssplashback.co.nz).

### To apply the silicone you will need

- Ice block stick
- Spray bottle with a teaspoon of dish wash liquid and water
- Caulking gun
- Colour silicone of your choice. ( a normal acid cure silicone available from most tile retail shops is best used for this, the product tools very well to establish a fine finish)

### To apply

- Open the tube using a Stanley knife, screw on the applicator nozzle and insert into the caulking gun.
- Cut the end of the applicator nozzle on a 45 deg angle.
- Ensure the area to be silicone is dry and free from debris.
- Apply the silicone to the joint using the 45 deg cut to lay the silicone in.
- Apply to the lower areas first, once applied spray the silicone with the dish wash liquid and water mixture.
- Spray the end of the ice block stick with the liquid as well.
- Use the wet ice block stick to tool off the silicone to a smooth finish.

***(Important: always ensure the joint you are applying the silicone to is dry - if the area becomes wet before you apply the silicone it will not stick)***

See our "install instructions" on our website for useful techniques, including the application of perimeter silicone.

## 12. REMOVE PROTECTIVE PLASTIC

Once the perimeter silicone is installed you may remove the protective plastic. Care needs to be taken to ensure the silicone is not affected during this process.

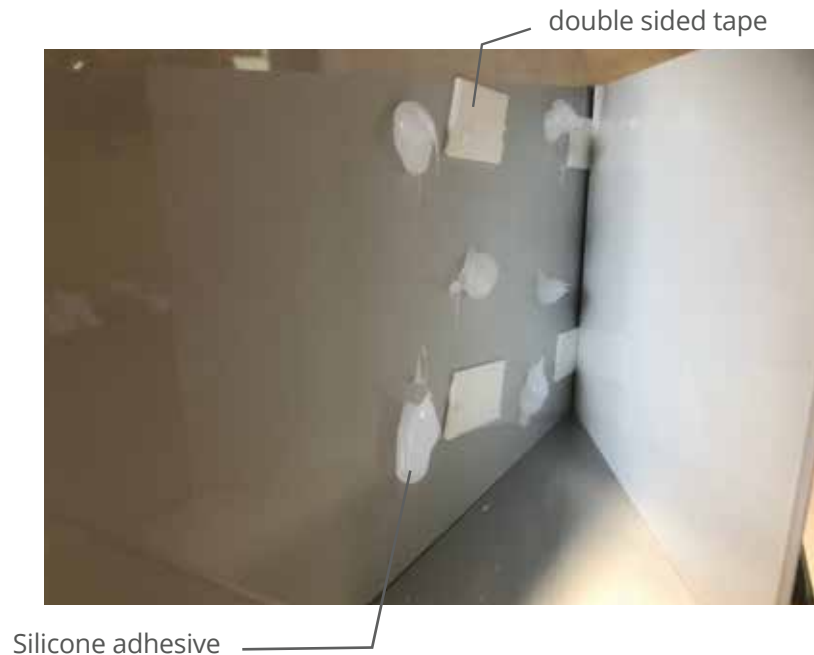


## “BUTT JOIN” TECHNIQUE

Where more than one panel is needed to cover the length required, we suggest to simply butt join two sheets for a visible but minimal joint line between the sheets. This will not affect the properties of Reflections panel.

This is best achieved by joining two factory edges. This can be planned during your cutting process.

To get the two panels adjoining well it is suggested using double sided tape to span the underside of both panels.



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