Flexicryl Splashback Installation Guide

Easy DIY   Add a Pop of Colour!

Product Information

- 4mm High Gloss Flexicryl Splashback Panels
- Hard-co-extruded surface for hygienic clean sustaining daily use
- High Gloss for reflective, elegant design
- High performance clear outer & co-extruded colour layer
- Waterproof & impact resistant
- For use in most areas including wet areas (not behind gas cooktops)
- Easy to clean, no grout required, mould free, shatter proof
- Lightweight, easy DIY it can be cut, sawn, sanded, drilled
- 15 year indoor UV warranty

Please read this guide carefully before you start installation.

| Red Kiss | White Soy | Black Arabia | Chai Latte | Aqua Marine |

Important Information

Please handle the product with care avoid bending & contact with hard objects.

Note: The waterproofing of your bathroom and shower area must meet Australian Standard AS3740-2004. Flexicryl Splashbacks may be installed over new or existing surfaces.

Special care should be taken when drilling walls to avoid hidden pipes or electrical cables.

This product is lightweight and obscure. You may require two people to install.

1. Tools and Materials you will need

- Clear Neutral Cure Silicone
- Liquid Nails
- Double Sided Tape
- Silicone Gun
- Waterproof marker
- Spray Bottle & dishwashing liquid
- Protective equipment
- Tape measure
- Level
- Silicone spatula

Plus:

If you require hole cut outs or shortening of your panel use normal woodworking tools in addition to the below guide lines under point number 3. Cutting and Sawing.
TIP: ALWAYS CUT FLEXICRYL SPLASHBACKS ON A FLAT SECURED SURFACE

2. Preparation

1. Area/Surface Prep
   When installing Flexicryl Splashbacks, allowances must be made for expansion of the sheets on all sides to allow for heat and moisture. The recommended allowance indoors is 3mm.

2. Marking out
   Use a waterproof marker on the protective film to mark out holes and cutting lines.
   Do not use anything sharp e.g. led pencil is sharp

3. Cutting/sawing
   Standard woodworking tools are suitable for sawing Flexicryl Splashbacks. Please note however that non-vibrating high speed machines provide clean cut edges.

   Circular handsaws and circular table saws
   A guide rail or parallel stop is used to safely guide the circular saw. When cutting Flexicryl Splashbacks, the blades of circular saws should protrude only slightly beyond the sheet.
   - Always use carbide tipped saw blades
   - Teeth: trapezoidal flat tooth or alternate teeth
   - Tooth pitch: ~ 13mm
   - Always work with a stop
   - Carefully saw into the sheet with the saw running
   - Make sure the cutting is exact
   - Do not tilt the material
   - Fix the sheets and you may like to place timber underneath to avoid flutter & give it strength
   - Saw at an average speed rate

Jigsaws

- Only use blades with straight teeth and a tooth pitch of 2.5mm
- Only tackle Flexicryl Splashbacks with the saw running
- Place the shoe firmly on the masking film of the sheet
- Set an average cutting speed and adjust stroke action to zero
- Select average feed rate
- Cool with tap water (prevent water from splashing the machine)

Clearance angle	3° to 8°
Rake angle	0° to 4°
Point angle	60° to 90°
Angle of twist	12° to 16° usually 30°
Cutting speed	10 to 60 m/min
Feed	0.1 to 0.3mm/U

TIP: Cool with water especially when working with spiral drills, conical drills, compass s saws and jigsaws.

Drilling holes

Always pre-drill holes in the corners of edges to be cut when routing or sawing cut outs. This prevents notch effects and possible sheet breakage. The holes should have a diameter of at least 10mm. All machine edges should be de-burred. Leave the protective film on the Flexicryl Splashbacks until machining & installation is completed.

- Handle the drill carefully and slowly drill into the Flexicryl Splashbacks
- Drop the speed even more as the bit enters and exits
(the aim is to move the drill through gently at a speed that is cool, use tap water for cooling if required)

TIP: Ensure the hole size has at least a 3mm clearance around the tap fitting for expansion.

TIP: Holes should be drilled from the outside layer

Polishing & Sanding Edges

By sanding and polishing edges of Flexicryl Splashbacks, where the edges have become rough during machining, they can be restored to their original smooth look.

- Always perform wet sanding (prevents thermal stress and clogging of abrasive surfaces)
- Sanding is performed in 3 steps
1. Coarse, 80-240 grit
2. Medium, 400 grit
3. Fine, 600-1000 grit
- For polishing, use waxes, pastes or commercially available car polish
- Use very soft materials for polishing such as a soft cloth or a buffing wheel
- Remove traces of polish after treatment and clean edges with water or petroleum ether
Deburring Edges
- Sawn or routed edges can be smoothed and deburred using a scrapper or machine file.

Profiling the outer edges
- The edges can be formed using a profile router with ball bearing bit

3. Installation

Step 1
Clean and prepare your walls

CEMENT SHEET — FLEXICRYL
SHOWER BASE

Step 2
Remove the film from the back/colour side (note the colour side is permanently integrated and cannot be separated)

Step 3
Apply strong double sided tape to the perimeter & neutral cure silicone in between with special attention to the tap hole areas & in 100mm blobs to the back wall

Note: If you are using silicone as the adhesive ensure the back of the acrylic has been roughed with sandpaper. Alternatively use a strong liquid nails. And use the silicone later to seal the edges.

Step 4
Manoeuvre the Flexicryl Splashbacks into place and press firmly to secure it

Note: A water proof board should be laid against framing down to within +/-6mm of the shower tray. Silicone should be installed between top of tray and bottom edge of wall lining in a continuous bead, then smoothed off as the Flexicryl Splashback is then installed over the wall lining and over the shower base lip of the tray, apply a bead of silicone between; then the back of the Flexicryl Splashback is in front of the tray lip. A gap should be left between the two caulking beads to allow for expansion.

Step 5
Seal the edges - apply a neutral cure silicone bead run from the top of the Flexicryl Splashbacks down the internal corner to the bottom of the shower base to seal the panel. This is to prevent any moisture penetrating down behind the lining. Special attention should be paid to the top and bottom of the internal corner and anti-fracture membrane areas.

Step 6
Allow 3mm into and out of the internal corner silicone join, to allow for thermal expansion & contraction. The first sheet may be butt up against the wall and the second sheet can be butt up against the Flexicryl Splashbacks sheet both with a 3mm expansion gap, filled with a clear or colour matched neutral cure silicone
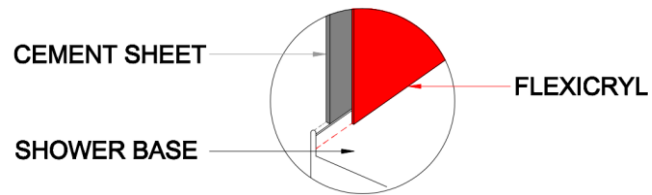
Step 7
Use soapy water to smooth off caulking & press the panel firmly so all silicone is flush behind the panel and ensure a flat finish by using a spirit level

Step 8
Remove the outer film once the silicone has dried

Step 9

When installing your shower screen & drilling into the Flexicryl Splashbacks ensure the holes are filled with neutral cure silicone before fixing the hardware.

TIP: All edges should be sealed with a High Grade Neutral Cure Silicone.

Allow 24 hours for silicone to dry before use.

4. After Care Instructions

Flexicryl Splashbacks withhold the use of daily grind with special care.

- Please use warm water and a soft cloth for normal daily cleaning
- Water minerals, grease and soap stains are easily removed by adding a little dishwashing liquid to warm water and wiping with a soft cloth
- Diluted cleaning vinegar or isopropyl alcohol is the best cleaner for removing calcifications
- Do not rub dry & always use a non abrasive soft cloth

5. Technical Data Summary

PROPERTY	METHOD	UNIT	MEASURMENT
GENERAL			
Density	ISO 1183	g/CM^3	1.19
Rockwell hardness	ISO 2039-2	M-Scale	100
Water absorption	ISO 62	%	0.3
OPTICAL			
Light transmission	ISO 13468-1	%	93
Refractive index	ISO 489		1.49
MECHANCIAL			
Flexural modulas	ISO 178	MPa	3000
Flexural strengths	ISO 178	MPa	105 (Pespex 116)
Tensile strengths	ISO 527	MPa	72 (Perspex 75)
THERMAL			
Vicat softening point	ISO 306	°c	117
Sheet forming Temp. range		°c	140-180

6. Warranty

A 15 year indoor warranty is applicable in addition to the Australian Consumer Law warranty notice. Please note this will not cover incorrect handling or installation techniques. For all warranty questions please email your details to info@pipersinternational.com.au

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