



GlassKote™ Splashback Information

GLASS SPLASHBACK SPECIFICATION

6mm Thick Toughened Safety Glass

Please note, toughened glass can withstand temperatures of up to 250°C and is 4 to 5 times stronger than ordinary glass and is extremely difficult to break. Should the glass be broken, it crumbles into small particles making it safer to clean up and avoids injury that sharper breaks of glass can cause.

GLASS TYPES

- **Clear** – although clear to look through, it has an inherent greenish tinge due to the high iron content in the glass which can alter the colour when applying a colour-backed finish. This is particularly obvious when using lighter colours such as white as it will throw a green hue.
- **Starlite (Low Iron)** – is a higher clarity glass which achieves a truer colour representation when applying a colour-backed finish. White for example will look whiter on Low Iron Glass than on Clear glass. Lighter colours will still have a variation to a swatch, wall or cabinets paint colour, as there is still 6mm of glass in front of the colour.
- **MirrorKote** – a reflective toughened glass which is a safety substitute to standard mirror float. Available colours are silver, grey and bronze. May have slight distortions due to being fired.

COLOUR RANGE

Dulux 'flat' colour and Dulux Quantum FX range (metallic colours) – approx. 5,000 colours

**Please note, not all Dulux colours are specially reformulated for the permanent fixation to glass, so please check with our office to see if the colour is available.*

Important: All Clear glass has an inherent green tint. Low Iron glass is recommended where a truer colour representation is desired. However it must be advised that although a higher clarity than Clear glass, Low Iron glass also contains a slight green, blue or yellow tinge and variations may occur as each batch load of glass varies. This can be especially evident in both glass types where panel replacements are required. Reflective Glass (MirrorKote), Paint and Digital print batches can also vary causing slight variations in slight imperfections shade or tone, and this is much more prevalent with metallic colours where a 'Fleck effect' will be present. We accept no responsibility for the differences in colour due to variations of glass tint or paint and ink colour.

DIGIKOTE™ – DIGITAL PRINTING ON GLASS

Full colour and high resolution images, photographs, logos, to name a few, can be printed directly onto glass producing a superior permanent finish.

Supplying own artwork – please note the following guidelines:

- **Set Up:** Artwork to be 1:1 scale. All edges to have 5mm bleed with no crop marks or additional white space. All text must be converted to outlines
- **Artwork Formats:** EPS or Ai files saved to Illustrator CS5, all embedded images must be min 360 dpi. TIFF files to be 1:1 scale, CMYK at 360 dpi saved to Photoshop CS5
- **Where Artwork is Required**

We offer an in-house design service should a client require artwork to be created from scratch or an image re-created to suit the shape of their splashback. Also if the colours of the image need to be changed or an image photo-shopped, etc. This will be quoted on application once we determine what is involved to achieve the required complete artwork/image.



MANUFACTURING PROCESS

- Precise measurements are taken and colour and glass type is confirmed
- Glass is cut to size and processed (e.g. cut-outs for power points, etc.)
- Glass is then toughened (once the glass has been toughened it cannot be further processed, so it's imperative that it is measured and cut correctly)
- The glass is cleaned and the GlassKote™ formula is mixed with our paint system and sprayed directly onto the glass, it is then left to cure before handling.
- If a DigiKote™ image is required, the GlassKote™ formula is applied to the glass and left to cure prior to digital printing to enable ink to fuse to the coating. Then the digital print is applied to the glass and again goes through another curing process. The paint colour is then sprayed onto the glass (colour-backed process), and we recommend allowing minimum 48 hours to dry prior to installation. An additional 48 hours for Metallic (drying time is also dependent on weather conditions).

MAXIMUM GLASS PANEL SIZES

- **Standard Glass sheet size**– 2440mm x 3660mm (Clear & Low Iron Glass & Mirrorkote)
- **Oversize sheet size** – 5100 x 3210 (Clear & Low Iron Glass)
- **Our Standard GlassKote Splashbacks** – 3000mm x 1500mm, however one length must not exceed 1500mm.
Oversize complex panels will be assessed of their viability and will incur a minimum surcharge of 30% extra on the overall cost of panel if deemed suitable to produce.
- **DigiKote™ (Digitally Printed) Glass Splashbacks** – 3000mm high x 1500 (with cut outs included) or up to 2490mm wide assessed.
- **Mirrorkote™** – 3000 x 1500. Oversize up to max length 3650 by assessment and will incur an oversize charge.

Production will also assess the viability of any panels that:

- Exceed 4200mm in any length with cut outs included
- Exceed 3800mm in any length that has a T shape
- Panels requiring internal polishing that are greater in size than 2000mm x 4000mm.

*Please keep in mind the access of getting a panel of glass that large into the home or building, particularly if going in a multi-level apartment building where a glass panel may not fit into a lift and may be difficult to carry up-stairs.

CUT-OUTS

No corner or side cut-outs less than 50% of the total height of the glass panel, for example an upside down T shape or U shape panel where a 1 metre high panel should not exceed 500mm at the lowest point otherwise the panel must be split or assessed for viability and will incur an additional charge. GPO standard cut outs are 60mm x 100mm. Corner cut outs not to exceed 250 x 250 or 160 x 400 otherwise an oversize corner cut out charge will be applied.



LEAD-TIMES

7 working days to manufacture from date of ordering with delivery on the 8th day – this is applicable for standard size and standard coloured splashbacks only. Metallics will incur an additional 2 days manufacture and DigiKote™/MirrorKote™ have a 12-14 working day manufacture. Shorter lead times may be assessed but are purely dependant on manufacturing capabilities, at the time. Oversize panels will incur additional days to manufacture.

FEATURES & BENEFITS

- Glass manufactured to AS 2208
- Low maintenance and easy to clean, especially as no grout is required
- Heat resistance and suitable for use with gas cooking appliances in most cases (see below)
- Colour and coating will not crack or fade
- A large variety of colours available to compliment your style and décor

FIT FOR PURPOSE BEHIND STOVES

- **Gas Stoves** – a fire proofing board (millboard) is required to go behind a gas cook top stove which is cut into the plaster wall and cannot be seen once the glass splashback is installed.
- **Electric Stoves** – there is no requirement for electric stoves so there is no issue with the glass splashback being installed behind the hot plate.

GLASS SAMPLES

It best for the client to see a glass sample and preferably take it home to ensure it is the right colour to match their décor and also view the colour in their own environment with natural and artificial lighting. Again please note that even glass painted from the same batch of glass and paint can appear different once glazed dependant on the lighting and shadowing surrounding. A larger panel may appear darker than the smaller sample due to light refraction.

With all DigiKote™ splashbacks, a sample will be provided to the client of which must be signed off as approved by the client prior to manufacturing the actual order.

PRODUCT WARRANTY

Glass will not be warranted where the tip of the flame exceeds 140mm towards the glass splashback as this can run the risk of de-laminating or discolouring the colour-back finish. This can be of concern where a large pot or wok is used on the back-burners.

A standard 7 year warranty will apply when the glass splashback is installed in adherence to Melbourne Safety Glass and the Australian Glass & Glazing Association (AGGA) guidelines.

Painted glass is not suitable for external glazing where the outdoor elements can contaminate the painted GlassKote™ backing of the glass. If used in a spandrel application, the glass must be glazed so that the non-glass face and edges are sealed and/or protected from any moisture or possible element damage.



MS GLASS

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In addition MS Glass recommends the following:

- a) The surface, wall or sub-straight must be clear of defects e.g. (debris, scratches, coloured marks, holes, patches and void of any chemical/water damage).
- b) The surface, wall or sub-straight must be evenly painted or in the case of light coloured painted or printed product it is recommended that it is to be painted plain white.
- c) It is recommended non-ascetic (neutral cure) clear silicone be used to affix painted or printed product to the surface, wall or sub-straight.
- d) If using double sided tape to affix painted or printed product, it is recommended that only clear or white double sided tape be used.
- e) All the above applies in the case of any replacement glassworks.
- f) It is the customer's responsibility to engage qualified electricians or plumbers to perform their works. This is a requirement by Australian Building Codes and for insurance purposes.

Further info:

For any signed goods either delivered or picked up, the customer will be responsible for any damages that may occur to the product from that point on.

It is the Customer's responsibility for any damage to a painted or printed product as a result of installation to any ill prepared surface, wall or sub-straight (we refer to the recommendations set out above).

Over heads cupboards, lighting, corners, range hoods etc. can cause the appearance of colour variations and different shades even though all panels have been cut and painted from the same batch.

For further warranty details please see our: Glasskote™ Glass Finishes Warranty 2014.

CLEANING & MAINTENANCE

Cleaning products that are recommended for glass only should be used (non-abrasive, non-acidic or mild detergents or solutions are best) along with cleaning materials that are free of grit and debris to avoid scratching or damaging the glass surface.

Do **NOT** use abrasive and powder based cleaners, scouring pads or other harsh cleaning materials and cleaners that contain Hydrofluoric or Phosphoric acid as they can damage the glass surface.



VISUAL TOLERANCES & ACCEPTANCES

- **Process Surface Imperfection**

Place glass panel in a vertical position and stand at a distance of approximately 3 metres away. Look at the sample from a distance of no less than 3 metres in a natural light environment without direct sunlight to assess for imperfections. Glass must be viewed straight on looking directly to face. The line of vision shall be vertical to the wall.

Imperfections should not be visible from a distance of 3 metres.

All glass with a high light content displayed upon it will likely show flaws. Glass being assessed in this manner is not acceptable to the standards as a claim for fault.

- **Scratches, Scars and Rubs**

Inspect the glass which is to be in a vertical position using natural light without direct sunlight or with a background light to observe any imperfections. Imperfections shall not be visible from a distance of 3 metres.

- **Flatness**

Flatness measurements will be checked against straight edge with the panes standing within 5° of vertical measurement taken horizontally.

- **Distortion**

The manufacturer sets:

- (a) The tolerances for surface distortion – will be in line with AS 2208
- (b) The method of measurement and the magnitude of the distortion

Surface distortion should not be measured within a 150mm band from the edge of the glass panel. Glass surface distortion is a common attribute of heat-treated/toughened glass. The distortion can be more distinct in reflective glass or as the angle of view becomes more acute.

- **Glass Inclusions**

All glass has allowable inclusions but in particular DigiKote™ due to print saturation variations and Mirrorkote™ due to its reflective coating will have slight inclusions/imperfections, which are deemed acceptable to the above criteria as this is the nature of the product. These will include some scratches/inclusions/imperfections and a 2mm - 1cm line across one long side may be slightly visible to some panels. These are deemed acceptable and/or unavoidable to the above criteria, as this is the nature of the product and machinery producing the glass.