

The specifiers guide to



marblo[®]

Australia & New Zealand

SOLID SURFACE SOLUTIONS





Product summary

Marblo ®* is a cross-linked filled polymeric solid surface sheet material, created from a unique blend of polyester resins and additives. It is uniform throughout, non-porous and non-laminated. Marblo is available in eight styles with differing formulations ranging from advanced chemical, stain and fire resistant series as required in industrial laboratories, to special featured series suited to an extremely broad range of applications and capable of a multitude of aesthetic effects.

Marblo can be fabricated to form even the most complex 3-dimensional shapes by authorised fabricators, using conventional woodwork tools and machinery. It can be refurbished to look like a new installation where other materials would need replacing. Marblo colour matched joint adhesive, provides not only for seamless and inconspicuous joints, but also has hygienic benefits for food preparation areas.

Marblo solid surface material is completely Australian made in our Perth factory, in Western Australia and is guaranteed against faulty manufacture with a 10-year warranty.

Production

As there is literally an unlimited range of colours to choose from, Marblo sheets are made to order. Therefore, subject to quantities, a lead-time of approximately 10 working days (ex factory) needs to be allowed for manufacturing sheets of standard colours and up to 15 working days for customised colour matched material.

Fabrication

Whilst our Perth manufacturing factory also has a fabrication section and training centre, your Marblo distributor can advise you of your nearest authorised Marblo fabricator.

Sheet sizes

Standard widths: 650mm, 760mm, 900mm plus some products are available in an extra wide 1050mm, subject to manufacturing capacity.

Standard lengths: 2700mm & 3500mm

Standard thicknesses: 6mm, 9mm, 12mm, 16mm, 18mm, 20mm & 26mm

Custom sheets

Marblo Products Pty Ltd can manufacture non-standard sheet sizes within their manufacturing capacity limits (refer to your Marblo distributor for more details).

Finishes

The finish of the Marblo surfaces can vary from matte to high-gloss; depending on the product type and the desired effect the designer wants to obtain.

Colours

Marblo has two defined groups of colour ranges, being the Solid colour range and Translucent colour range.

There is a large range of colours available that can be presented to you on request, however if you require a customised colour, then Marblo Products Pty Ltd has a unique colour matching service. Just provide a physical sample to be matched or a Dulux/Pantone colour reference and Marblo Products Pty Ltd will make a sample for you (conditions apply).

It should be noted that, dark and more highly saturated colours may require greater maintenance depending on the application where they are used.

Solid Colour Ranges



- Plain Series – a single solid colour.
- Galaxy Series – fine speckled particles.
- Granada Series – medium sized particles.
- Stone Series – stone particles, appears like stone.

Some key features to these series are – excellence in heat, chemical and stain resistant as required in industrial laboratory grade material. The most common domestic and commercial uses are:

- Benchtops
- Tabletops
- Counter tops
- Cladding
- Signage with inlay logos, plus many other applications.

Whilst this range is non-thermoformable, it can be supplied as thermoformable grade on request. Recommended finishes are Satin & Semi-Gloss, however the Stone Series is best featured in a High-Gloss finish.

Inlays

When inlaying Marblo with different material, consideration needs to be given to the compatibility of that material. Logos or design patterns can easily be created as inlays in Marblo, by using customised computer routing (CNC) and back filling with liquid Marblo. Some organisations require specific corporate colours in small quantities and Marblo Products Pty Ltd has recognised this need by providing a wide variety of colours, in liquid inlay.

Substructure

Supports are used on the underside of a 12mm thick Marblo counter top in the solid colour range, in the form of a full substrate or perimeter support. These are made from moisture-resistant MDF or equivalent material and are glued to the Marblo with flexible silicone adhesive.

Thermal expansion

The linear thermal expansion for 12mm thick Marblo solid colour range, is +/- 1mm per metre at +/- 20°C. A minimum gap of 3mm at each end should be allowed between the Marblo material and the walls or any other rigid end. However once a benchtop run exceeds 3 lineal meters a further 1mm should be allowed for every additional meter of benchtop run. If any expansion gaps are required to be filled, only a flexible silicone should be used.

Adequate clearance must be allowed for any fixtures such as plumbing that protrude through the material and never screw directly into it

Weight

Standard Marblo thickness of 12mm in the solid colour range is 20.8 kg/m².

Translucent Colour Range

- Frost Series – clear to a hint of colour.
- Opal Series – opaque properties with varying degrees of translucency.
- OFR Series – appears the same as Opal, but has a better fire rating.
- FRT Series – the premium product in this range with the highest fire rating.
It has similar features of the solid colour range, whilst maintaining an opaque appearance.
- Pearl Series – has random swirling/veined patterns that come alive when backlit.

These are our designer series for decorative applications, which can all be backlit to create incredible colour effects and provide unparalleled choice for themes or design concepts.

Diverse in many uses including

- Frosted office partitions
- Opaque bathroom partitioning
- Shelving
- Illuminated signage with logo engraving
- Curved reception fronts
- Custom designed light fittings and furniture features.

The translucent Marblo range can be painted on the underside to avoid substrate/support frame shadow lines, as required for tables and counter tops. This range (except for FRT Series) is thermoformable. Recommended finish to Frost, Opal, OFR & FRT is Satin, with Pearl requiring a High Gloss finish. Before specifying, careful consideration should be given to the unique versatility of these series with some understanding of the following:

Colour selection

Colour ranges on display represent the standard 12mm thick material with the recommended satin or high gloss finish, depending on the series. However, because of the varying levels of translucency and material thickness that are available, it is critical that when selecting colours that you sight the actual material that is to be specified.

Thickness of material

The greater the thickness the darker the colour may appear, as less light can transfer through.

Level of translucency

Low translucency levels may give the base colour a darker appearance (less light transfer).
Higher translucency levels may give the base colour a lighter appearance (more light transfer).

Surface finish

If the required finish is different to the standard finish eg. changing the Opal finish from satin to high gloss, then depending on the base colour it may appear darker in high gloss.

Backlighting

When backlighting Marblo, consideration should be given to the following:

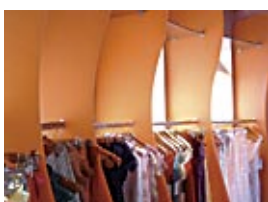
- The intensity of the light source to be used.
- Allowance for airflow to prevent build up of excessive heat.
- Suitable service access to the light fitting.

Interior / Exterior use

All of the translucent series are intended for interior use only, as direct sunlight light will eventually cause colour fading or possible distortion in excessive heat conditions. Adequately covered outdoor areas can dramatically reduce these effects.

Substructure

These series were designed for decorative applications and require full underside support for most horizontal applications. The use of thicker Marblo material such as 20mm +, has been used on bar tops and the like to minimise the need for this support.



Our environment

To reduce wastage as well as cost saving, sheet material can be made custom sized, particularly to suit small job requirements. If the Marblo is damaged it can usually be repaired on site. Additionally as the surface can be refurbished to look like new, it will stand the test of time without the need for replacement. This repairability and durability makes Marblo inherently eco-compatible.

How to specify Marblo

- Specify product manufacturer:
Marblo made only by **Marblo Products Pty Ltd** Perth, Western Australia.
- Specify nominal thickness: 6mm, 9mm, 12mm, 16mm, 18mm, 20mm or 26mm
- Specify series – colour – code: (eg. Marblo Opal series Westfield Red NOL2-7047R)
- Specify fabrication and installation: to ensure all work is completed by an authorised Marblo fabricator.

This information is provided for the purpose of a general guide and may be subject to revision as new knowledge becomes available.

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