

**PRODUCT IDENTIFICATION**

Arketique Solid Surface.

**MANUFACTURER.**

Arketique Solid Surface Pty.Ltd.

**PRODUCT DESCRIPTION**

Composition & Materials: Arketique Solid Surface is a non-porous homogeneous blend of Acrylic modified polyester, alloys and fillers. This creates a surfacing material that can be matched to any colour in the "Dulux", "Pantone" or "Bristol" range, in either Solid, Opalescent, Translucent, Swirl or Pearl finish. Also available are Metal, Wood grain or Burl and Marble finish. The colour or pattern goes all the way through which allows for three-dimensional shaping.

**Basic Uses:**

Because the material can be worked with conventional woodworking power tools, the design possibilities are unlimited. Countertops, wall cladding, furniture, moldings, architectural signage and accessories can be beautifully created with a guarantee of durability.

**Limitations:**

All Arketique Solid Surface materials are intended for INTERIOR USE ONLY, direct sunlight may eventually cause fading, yellowing or possible distortion of the material in excessive heat conditions. In some applications, light solid colours have been used for exterior applications. Before specification, refer to the Arketique Solid Surface Fabrication Manual or contact your local Arketique Solid Surface office.

**Sizes:**

Standard sheets are available in 1220mm width by 3600 lengths.  
Custom sizes are available, Maximum 1300mm width by 4000mm or any other size smaller to eliminate off cut waste.

**Thickness:**

All Arketique Solid Surfaces sheets are available in standard thickness of 6mm, 10mm, 12mm, 16mm, 20mm, 25mm and 30mm.

**Colour and Range:**

Due to varying levels of translucency, material thickness and finishes that are available, it is critical when selecting colours that you obtain a sample of the nominated Arketique Solid Surface material.

It should be noted that, dark and more highly saturated colours may require greater maintenance depending on the application. Please also allow for the fact that production may differ from sample due to batching. Large installations of materials may also show a different hue due to factors such as lighting in the installed environment.

A selection of Solids, Opal, Translucent, Swirl or Pearl, Marble, Metals and Woods are available. Custom colours can be matched to order. Order from [www.arketique.com](http://www.arketique.com) or contact local Distributor for samples.

**Finish:**

The factory finish of Arketique Solid Surfaces is a matte finish approximating 180 grit sandpaper. A satin sheen or a high polish can be obtained by further sanding and buffing with prescribed polishing compounds.

**Substructure:**

All Arkétique Solid Surface materials require adequate structural supports in the form of a full substrate or perimeter support made from HMR or equivalent materials. When bonding or affixing Arkétique Solid Surface materials, a Acetic cure Silicone should be used. Refer to Arkétique Solid Surface Fabrication Manual or contact your local Arkétique Solid Surface office for specific advice.

**Fixing Translucent Sheets to a Substrate:**

When translucent materials are to be affixed to joinery or other surfaces, it is recommended to paint the back of the Arkétique Solid Surface sheet with white Epoxy Primer (can also be mixed to a different colour to match the Solid Surface ), to stop the substructure and glue from showing through.

**Thermal Expansion:**

The linear thermal expansion for 12mm thick Arkétique Solid Surface is +/-1mm per metre at +/- 20°C. A minimum of 3mm at each end should be allowed between the Arkétique Solid Surface material and walls or other rigid ends. If a bench top run exceeds 3 lineal meters a further 1mm should be allowed for every additional meter. If 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 Arkétique Solid Surface material to fix to the substrate.

**Internal Corners:**

All internal corners should have a minimum 5mm radius, a minimum 10mm radius is recommended for cook-top cut-outs

**Cleaning:**

Arkétique Solid Surfaces may be easily cleaned using conventional cleaning agents such as an ammonia based liquid cleaner (glass cleaner). Dry stains on a matte finish can be removed with Scotch-Brite scouring pad by 3M or a mild abrasive cleanser.

Burns or scorches can be removed by sanding with coarse grit sandpaper followed by finer grit sandpaper. Follow sanding with a Scotch-Brite red pad by 3M (or equivalent) to match finish of sanded area to surrounding area. A final buffing is required on polished surfaces. Accidental nicks or chips can be repaired with special Infill kits available in matching colours.

**Translucent Solid Surface**  
(Opal, Translucent, Pearl and Swirl )**Surface Finish:**

If the required surface finish is different to the recommended surface finish provided on Arketique Solid Surface samples, obtain a production sample in the nominated surface finish before materials are ordered.

Changing the Opal finish from satin to high gloss for example, may result in the base colour appearing darker and more vibrant, it may also provide greater levels of translucency.

**Material thickness:**

The greater the thickness the stronger the colour may appear (lower light transfer).

Reduced light transfer may occur and additional lighting may be required (where the products are to be back-lit).

**Level of Translucency:**

Less translucent materials may give the base colour a stronger appearance (lower light transfer).

More translucent materials may give the base colour a lighter appearance (greater light transfer).

Less translucent materials such as Opal will result in reduced light transfer, additional lighting may be required (where the products are to be back-lit)

**Backlighting**

When backlighting Arketique Solid Surface, consideration should be given to the following:

The light source and intensity to be used.

Ventilation to prevent build up of excessive heat.

Access to the light fitting.

Distance from light source

Light "hot spotting"

Shadows caused by supports and framing.

Your local Arketique Solid Surface office can assist with general advice and suggestions regarding backlighting of Arketique Solid Surface materials and provide examples of various specifications employed in previous projects.

**Joint Position**

Due to the nature of translucent materials, joints — even seamless joints — could be noticeable and in many cases obvious.

Nominating joint positions and even featuring of joints must be considered when specifying these ranges of materials.

Please refer to Arketique Solid Surface Fabrication Manual or contact your local Arketique Solid Surface office for specific advice.

**Site Access**

Although Arketique Solid Surface Translucent, Opal and Pearl Series materials are available in large sheet sizes of up to 3600mm long, restriction of access at the installation site (due to lift heights, corridors and stair wells) may require site joints which may be visible or may require featuring.

**Acetic cure Silicone**

Only translucent, acetic cure and UV stable silicones should be used to affix and or bond translucent Arketique Solid Surface material.

