

RetroFab

DESIGN AND MANUFACTURING

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TECHNICAL DATA ACRYLIC

Common brand names – Acrycast, Plexiglas, Perspex Available in Sheet, Rod and Tubes

Acrylic has exceptional optical clarity, good weather resistance, impact strength, electrical properties and chemical resistance. **Acrylic** can be fabricated, machined or vacuum formed and is available in extruded and cast grades. Most acrylic sheets are cast and are available in Hi-Impact extruded whilst most acrylic rod and tube are extruded. Having a specific gravity of 1.19 and transmitting light at a rate of 93%, Acrylic has long established itself as the material of choice in not only lighting and signage applications but also decorative displays.

MAIN BENEFITS

- 8 times stronger than glass on impact
- UV Stabilised *** All but fluorescent tints are UV stabilised.
- Excellent optical clarity
- Excellent range of colours and tints
- Excellent refractive index of 1.49
- Lightweight
- Easy to fabricate, handle and install

Acrylic is available in a variety of thickness, sheet sizes and colours. Standard sheet size is 2440 x 1220mm with over-size sheets available up to 3050 x 2030mm.

Clear – From 2mm through to 50mm thick

Opal – From 2mm through to 30mm thick

Black and White – From 2mm through to 20mm thick

Solid and Translucent Colours – Standard sheet sizes in 3mm with limited colours available in 4.5mm. Colours – red (3 shades), green (3 shades), blue (4 shades), lemon, yellow, orange, grey, purple, crème, brown,

Grey Tints – From 3mm to 10mm thick available in light grey and dark grey.

Coloured tints – Standard sheet sizes and 3mm only. Colours –red, blue, amber, yellow, marine green, bronze, fluoro green, fluoro blue, fluoro orange/pink,

TYPICAL APPLICATIONS

Can be used light box faces, illuminated signs, 3D signs, display cases and cabinets, sunglass stands, lighting, guards/protective covers, picture framing, sight glasses, aquariums, boat screens windows and hatches, glazing, security domes, menu stands, Real Estate display pockets, and lots more

We also supply various components like acrylic hinges, catches, reinforcing triangles, acrylic glues and polishes.

RetroFab Design & Manufacturing has provided the details in this Data sheet in good faith and it should only be used as a general guide. For further information please contact us direct.