

# Mitchell Plastics

# What is PERSPEX™ ?

August 2003

PERSPEX™ is the brand name for acrylic sheet distributed exclusively in Australia by Mitchell Plastics. Its' chemical name is polymethylmethacrylate, or PMMA for short. Due to the strength of the brand, some people refer to any clear plastic as being PERSPEX™, which is not true! Cast PERSPEX™ was originally invented during the 1930's in the UK and it has been continually improved for over 60 years. It is the product with the best mechanical and optical properties and overall performance in today's market place.

Some of the benefits of PERSPEX™ in use are:

- ▶ **Excellent UV resistance** - Some PERSPEX™ products have been used outdoors for over 30 years without significant deterioration. Cast and extruded PERSPEX™ are warranted for an 8 year outdoor service life.
- ▶ **Excellent Clarity** - with 92% light transmission, PERSPEX™ has superb water white clarity and transmits about 10% more light than glass. Recent fashions for POP displays, shelving and furniture have required a material to resemble the edge colour of glass and by adding a dye, a green glass look grade of PERSPEX™ can be produced.
- ▶ **Easy to Colour** - All forms of PERSPEX™, because of their clarity, readily accept a wide variety of dyes and pigments. Over the last 50 years, colour fashions have changed and PERSPEX™ has been made in 2000+ different colours. Mitchell Plastics offer a custom made colour matching service whereby almost any colour can be supplied, although minimum order quantities will apply and shipping times ex the UK need to be taken into consideration.
- ▶ **Safe and easy to Use**- PERSPEX™ sheet is often used in glazing applications and is a safety glazing product meeting the relevant safety standards. It is half the weight of glass (of the same thickness) with at least 5 times the impact strength and with none of the breakage problems associated with glass. Fabricating items in PERSPEX™ is relatively simple, as PERSPEX™ is easy to work with using standard workshop techniques.
- ▶ **Fully Recyclable**- unlike other plastics, PERSPEX™ has one very unique attribute - end of life products and waste can be fully recycled.



**FREE DELIVERY WITHIN THE MELB. METRO AREA PH: (03) 9646 7877**



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Plastics

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PERSPEX™ Authorised Distributor  
Standard Cast Acrylic Sheet  
Decorative Cast Acrylic Sheet  
Specialist Cast Acrylic Sheet  
Polycarbonate Sheet  
PVC Sheet

Core Flute Sheet  
PERSPEX™ Cut to Size  
Edge Lite signage systems  
Polystyrene textured sheet  
Acrylic Tube