Visions In Plastics

Unit 3, Delta Court
(Robin Hood Airport)
Auckley
Doncaster
DN9 3GN

Tel: 00 44 (0) 1302 775920
Fax: 00 44 (0) 1302 773482

email: sales@visionsinplastics.co.uk
web: www.visionsinplastics.co.uk

MIRRORED FACED HIGH IMPACT POLYSTYRENE

GENERAL DISCRIPTION: -

Mirror faced polystyrene is a sheet of high impact polystyrene laminated with metallised polyester foil in silver or gold. The product is intended for indoor use and is suitable for various applications including point-of-sale display, decoration and toy manufacture. Each sheet is protected with a polyethylene masking film that should, if possible be kept in place up to final installation.

Standard sizes: 2000 x 1000mm & 2440 x 1220mm

Thickness: 1mm, 1.5mm, 2mm & 3mm

Tolerances: Length +/- 3mm Width +/- 1mm
Thickness +/- 10%

Maximum service temperature: 70°c

WORKING WITH MIRRORED- FACED POLYSTYRENE

Fabrication
The sheet should preferably be die cut or guillotined. It is possible to cut by sawing or routing. However care should be taken to minimise heat generation, which can cause the protective masking to fuse with the foil. A test cut is advised.

Forming
Mirror-faced polystyrene can be strip heated and bent. It can also be vacuum formed to a limited extent.

Screen printing
This is the most common method for applying text or decorative effects. Use colours recommended by the manufacturers for printing on polyester film. General experience has shown that oil based colours give the best results.

Adhesive Fixing
Contact adhesives are recommended. Be certain that the adhesive on both surfaces is completely dry before joining otherwise residual solvent can be entrapped causing blistering or crazing and even delamination. Water based products can be used if adequate adhesive can be achieved.

Always test on a small trial piece prior to production and follow the recommendations of your adhesive supplier.