

mirror technology

FLAT ACRYLIC AND POLYCARBONATE MIRROR



Mirror Technology sheet plastic mirror is an excellent alternative to glass in many applications. It has optical qualities at least as good, light weight and far superior shatter resistance. The mirror can be cut and shaped with conventional tools. It is supplied in two thicknesses 3mm and 6mm, suitable for most applications. Semi transparent Two Way mirror is also available.

Two materials are offered. For the highest security Polycarbonate is recommended. This is unbreakable to impact Applications include secure accommodation, vandal prone areas and food processing plants. For most other applications shatter resistant Acrylic is quite suitable.

The mirror can be mounted in a similar fashion to glass. However its light weight allows mounting with adhesive or double sided tape. Care should be taken in ensuring adhesives are suitable for use with plastic. Mirror Technology can advise on appropriate materials.

Light and flexible, plastic mirror is very useful for decorating larger areas. However, a flat backing is essential to prevent distortion of the mirror image, especially if this is to be viewed from a distance. Alternatively the use of smaller panels could be considered. Fire resistance may be an issue in such installations and the notes below should be observed. In any case the proposals should be discussed with a qualified person at the planning stage.

Two way mirror consists of a semi-transparent film of mirror deposited on acrylic plastic. A proportion of light is transmitted while the remainder is reflected. On the illuminated side the material acts as a mirror but when viewed from an adjacent darkened room it is transparent. This material is used in monitoring, surveillance, and observational operations in stores, casinos correction centres and hospitals. It is also useful in producing a variety of optical effects.

Mirror Technology flat sheet mirror can be used on large areas. However it is essential the mirror is mounted flat since any curvature will produce obvious distortion, especially if viewed from a distance of greater than about one meter. Generally it would be better to create a mirror wall by using a number panels of about 500mm square dimensions. Since the conditions of use are out of our control, Mirror Technology cannot accept the return of sheet mirror.

The materials used in Mirror Technology plastic mirrors have the following fire resistance properties:

ACRYLIC

UK Class 3

POLYCARBONATE UK Class 1

Ordering Information:

Mirror Technology can supply these materials in a variety of shapes and sizes subject to minimum order value. Mirrors can also be drilled and chamfered.

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