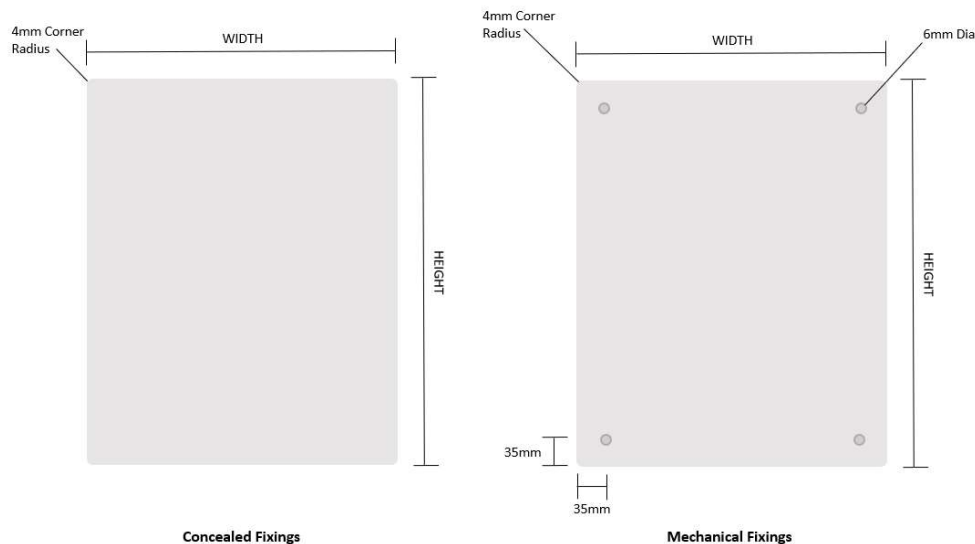




Clarke's Safety Mirrors Ltd

Tel: 01952 605557 Email: enquiries@csmirrors.co.uk

Acrylic Safety Mirror



Product Description

Impact Resistant Acrylic Safety Mirror. Designed for use where glass mirrors would be impractical or a safety hazard.

Available in 3mm & 6mm thickness. Acrylic is a strong, impact resistant material. Our Acrylic Safety Mirrors are approximately 10 times stronger than glass.

Typical environments include schools, colleges, care homes and nurseries.

Key Information:

- Available in 3mm and 6mm thickness.
- Lightweight with a superb reflection.
- Supplied with rounded corners and smooth edges as standard.
- Optional scratch-resistant coating.
- Customisable fixing options.

Fixing Options

- Screw Holes & Dome-Head Mirror Screws (Ref: ASH04/ASH06).
- Screw Holes and Anti-Tamper Stainless Steel Fixing (Ref: SECS4/SECS6)
- Very High Bond Double-Sided Tape (Ref: TAP01)
- Mirror Adhesive (Ref: ADH01)

Product Specification

Characteristic	Specification
Material - Mirror	Acrylic, Silvered.
Mirror Thickness	Available in 3mm & 6mm.
Edge	Polished
Corner Radius	4mm
Fixing Options	Chrome Plated Dome-Head Screws, Anti-Tamper Stainless Steel Fixings, Very High Bond Tape or Mirror Adhesive.

Acrylic Properties*

Property	Test Method	Units	Values
Physical			
Specific Gravity	ASTM D-792 / ISO 1183	-	1.19
Water Absorption	ASTM D-570 / ISO 62	% By wt	0.4
Mechanical			
Tensile Strength	ASTM D-638 / ISO 527	psi	11,030
Tensile Modulus of Elasticity	-	psi	490,000
Flexural Strength	ASTM D-790 / ISO 178	psi	17,000
Izod Impact Strength – Molded Notch	ASTM D-256 / ISO 180	Ft-lb/in Notch	0.4
Rockwell Hardness	ASTM D-785 / ISO 2039-2	-	M-95
Thermal			
Maximum Recommended Continuous Service Temperature	-	°F	160
Softening Temperature	-	°F	210-220
Melting Temperature	-	°F	300-315
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D-648 / ISO 75-2/A	°F	203
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D-648	°F	207
Coefficient of Thermal Expansion	ASTM D-696 / ISO 11359	In/(in-°F) x 10 ⁻⁵	3.0
Flammability (Burning Rate)	ASTM D-635	Ln/min	1.019
Smoke Density Rating	ASTM D-2843	%	3.4
Self-Ignition Temperature	ASTM D-1929	°F	833

*These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale. We cannot give warranty for the results of processing and application of the products.

National Building Specification (NBS) Information (3mm Thick)

MIRRORS

- Manufacturer: Clarke's Safety Mirrors Ltd. Email: enquiries@csmirrors.co.uk
- Material: 3mm Acrylic.
- Quality: Free from tarnishing, discolouration, scratches and other defects visible in the designed viewing conditions.
- Size:
- Backing: Silvered.
- Edges: Polished edges all round.
- Fixings:
- Installation: Accurate with sides vertical.

National Building Specification (NBS) Information (6mm Thick)

MIRRORS

- Manufacturer: Clarke's Safety Mirrors Ltd. Email: enquiries@csmirrors.co.uk
- Material: 6mm Acrylic.
- Quality: Free from tarnishing, discolouration, scratches and other defects visible in the designed viewing conditions.
- Size:
- Backing: Silvered.
- Edges: Polished edges all round.
- Fixings:
- Installation: Accurate with sides vertical.