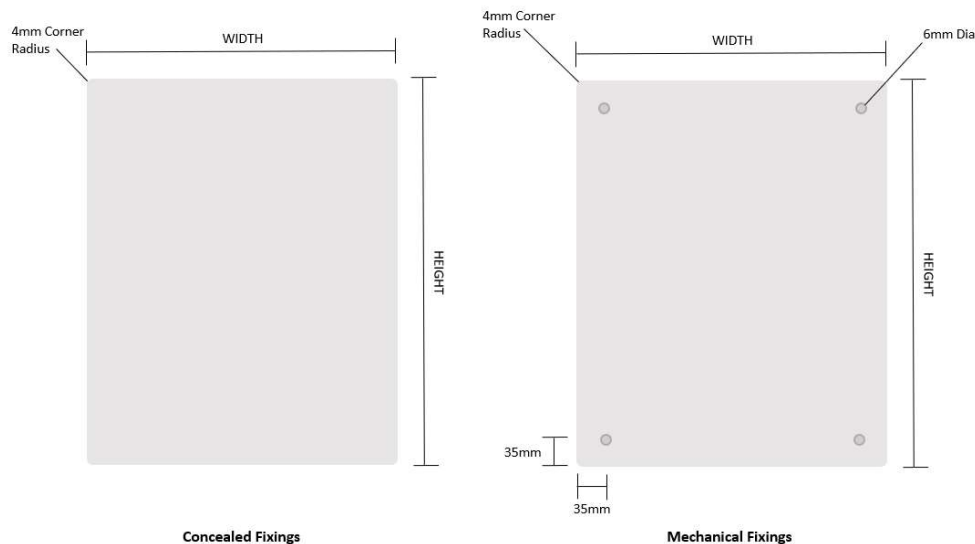




Clarke's Safety Mirrors Ltd

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Acrylic Safety Mirror (Standard Finish)



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 available. See product: Acrylic Safety Mirror (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)

Standard Sizes & Product Codes

Mirror Size	3mm Thick Code	6mm Thick Code
300 x 300mm	A3030	A3030-6
450 x 300mm	A4530	A4530-6
650 x 300mm	A6530	A6530-6
800 x 300mm	A8030	A8030-6
900 x 300mm	A9030	A9030-6
1000 x 300mm	A10030	A10030-6
600 x 400mm	A6040	A6040-6
1500 x 400mm	A15040	A15040-6
1600 x 400mm	A16040	A16040-6
600 x 450mm	A6045	A6045-6
1000 x 450mm	A10045	A10045-6
1200 x 450mm	A12045	A12045-6
1300 x 500mm	A13050	A13050-6
600 x 600mm	A6060	A6060-6
1200 x 600mm	A12060	A12060-6
1000 x 700mm		A10070-6
380mm Dia Round	A380D	A380D-6
595mm Dia Round	A595D	A595D-6
Made to Measure	AXXXX	

Product Specification

Characteristic	Specification
Material - Mirror	Acrylic, Silvered.
Surface Finish	Standard
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.