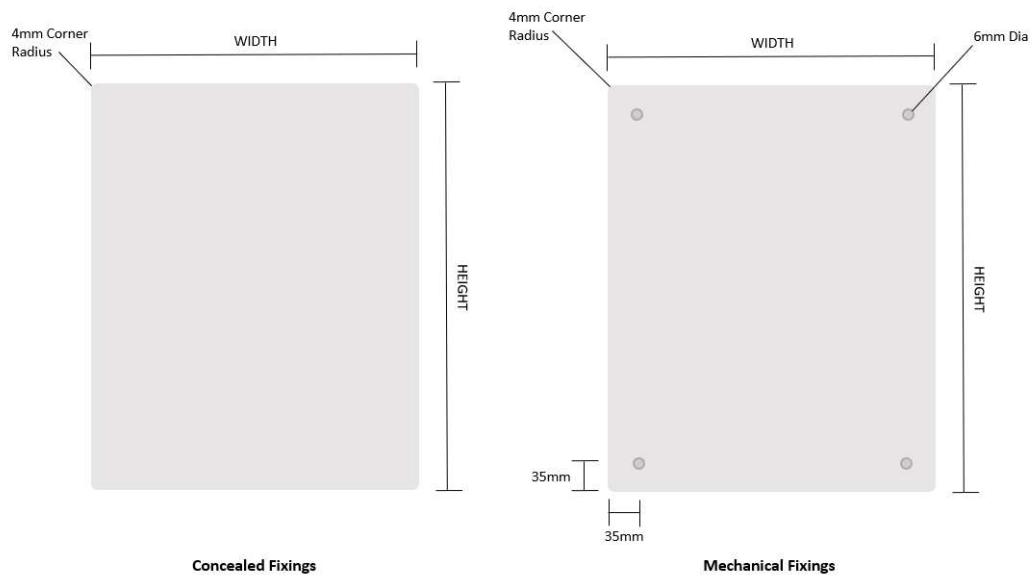




Clarke's Safety Mirrors Ltd

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

Acrylic Safety Mirror (Scratch Resistant Coating)



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.
- Supplied with an optional scratch resistant coating.
- Lightweight with a superb reflection.
- Supplied with rounded corners and smooth edges as standard.
- Customisable fixing options.

Scratch Resistant Coating:

These acrylic mirrors are coated with Peeraguard Clear PPC01. Benefits of this scratch resistant coating include:

- Abrasion Resistance – Scuffs, chips and scratches are vastly reduced in both quantity and severity.
- Optical Clarity – Sprayed on and UV Cured; no visible flow lines leave a clear and transparent finish.
- Chemical Resistance – Can be cleaned with any common or most industrial cleaning chemical without worry of damage.

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	AA3030	AA3030-6
450 x 300mm	AA4530	AA4530-6
650 x 300mm	AA6530	AA6530-6
800 x 300mm	AA8030	AA8030-6
900 x 300mm	AA9030	AA9030-6
1000 x 300mm	AA10030	AA10030-6
600 x 400mm	AA6040	AA6040-6
1500 x 400mm	AA15040	AA15040-6
1600 x 400mm	AA16040	AA16040-6
600 x 450mm	AA6045	AA6045-6
1000 x 450mm	AA10045	AA10045-6
1200 x 450mm	AA12045	AA12045-6
1300 x 500mm	AA13050	AA13050-6
600 x 600mm	AA6060	AA6060-6
1200 x 600mm	AA12060	AA12060-6
1000 x 700mm		AA10070-6
380mm Dia Round	AA380D	AA380D-6
595mm Dia Round	AA595D	AA595D-6
Made to Measure	AAXXXX	

Product Specification

Characteristic	Specification
Material - Mirror	Acrylic, Silvered.
Surface Finish	Peeraguard Clear Scratch Resistant Coating
Mirror Thickness	Available in 3mm & 6mm.
Edge	Polished
Corner Radius	4mm (standard)
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.