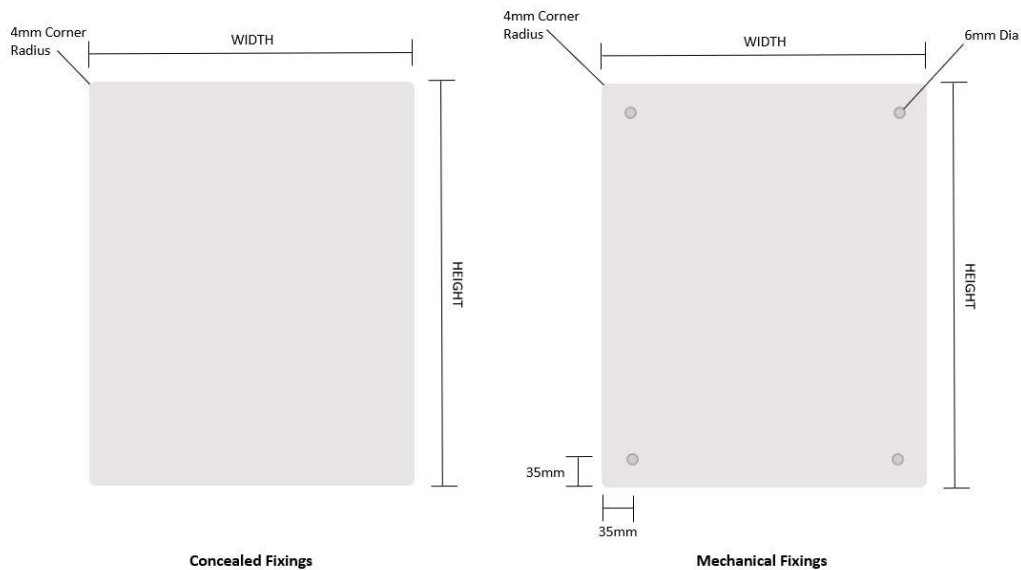




Clarke's Safety Mirrors Ltd

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Stainless Steel Safety Mirror (Grade 304)



Product Description

Stainless Steel Safety Mirrors are virtually unbreakable. They are manufactured from high-grade 304 stainless steel are polished to an ultra-bright finish.

Stainless steel mirrors are used where either vandalism is likely or where good hygiene is required. Typical environments include food factories, prisons, public buildings, hospitals, schools etc.

Key Information:

- Available in 0.9 & 1.2mm thick.
- Virtually unbreakable.
- Supplied with rounded corners and smooth polished edges.
- Ultra-bright finish.
- Can be bonded to 6mm thick PVC for increased rigidity.

Fixing Options

- Screw Holes & Dome-Head Mirror Screws (Ref: SSH04/SSH06).
- 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	High Grade 1.4301 - 304 Stainless Steel.
Mirror Thickness	0.9mm (standard). Also Available in 1.2mm.
Surface Finish	Ultra Mirror Polish
Edge	Smooth Polished
Corner Radius	4mm
Fixing Options	Chrome Plated Dome-Head Screws, Anti-Tamper Stainless Steel Fixings, Very High Bond Tape or Mirror Adhesive.

Stainless Steel Properties (Approximate)*

Property	Units	Values
Chemical Composition		
Carbon	%	0.07
Chromium	%	17.5 - 19.5
Manganese	%	2.0
Silicon	%	1.0
Phosphorous	%	0.045
Sulphur	%	0.015
Nickel	%	8.0 - 10.5
Iron	%	Balance
Nitrogen	%	0.1
Mechanical		
Compressive Strength	MPa	210
Proof Stress	Min MPa	210
Tensile Strength	MPa	520 -720
Elongation	Min %	45
Physical		
Density	Kg/m ³	8000
Melting Point	°C	1450
Thermal Expansion	K	17.2 x 10 ⁻⁶
Modulus of Elasticity	GPa	193
Thermal Conductivity	W/m.K	16.2
Electrical Resistivity	Ω .m	0.072 x 10 ⁻⁶

*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.