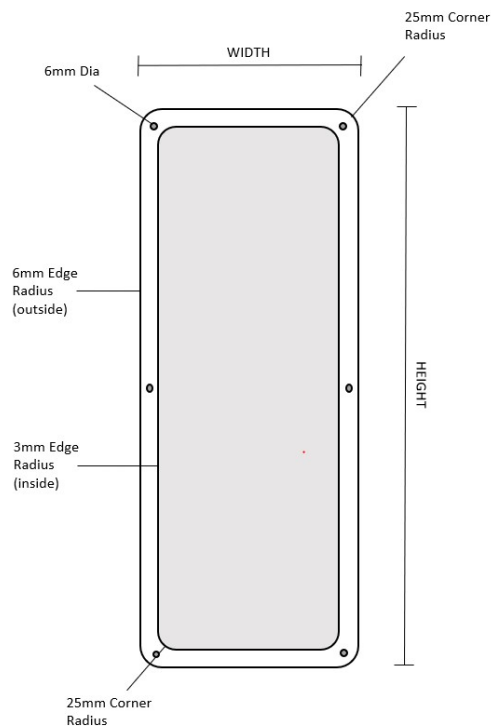




Clarke's Safety Mirrors Ltd

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Framed Ligature Resistant Safety Mirror



Product Description

A virtually unbreakable polycarbonate mirror and PVC frame, designed specifically for use in the harsh corrections and mental health environment. The ligature resistant design minimises anchor points.

Key Information:

- The single-piece frame is manufactured from solid white PVC. It features 25mm radius corners and a 3mm edge radius.
- The robust design reduces the potential for self-harm or harm to others.
- Supplied with a scratch resistant coating as standard.
- The mirror frame is designed to be fully bonded to the substrate and anti-pick mastic to be applied to the perimeter.
- Mirrors can be supplied with anti-tamper fixings for additional security.

Product Specification

Characteristic	Specification
Material - Mirror	Polycarbonate, Silvered.
Material - Frame	PVC
Mirror Thickness	3mm
Frame Thickness	9mm
Edge Radius	6mm (outside) 3mm (inside)
Corner Radius	25mm
Fixings	The frame is designed to be fully bonded to the substrate. Anti-pick mastic should be applied around the perimeter. Optional countersunk stainless steel anti-tamper screws.
Surface Coating	Scratch Resistant Coating – Peerless PPC01.

Polycarbonate Properties*

Property	Test Method	Units	Values
Physical			
Specific Gravity	ASTM D 792	-	1.2
Light Transmission, Clear @ 0.118"	ASTM D 1003	%	86
Water Absorption, 24 hours	ASTM D 570	%	0.15
Mechanical			
Tensile Strength, Ultimate	ASTM D 638	psi	9,500
Tensile Strength, Yield	ASTM D 638	psi	9000
Tensile Modulus	ASTM D 638	psi	340,000
Elongation	ASTM D 638	%	110
Flexural Strength	ASTM D 790	psi	13,500
Flexural Modulus	ASTM D 790	psi	345,000
Instrumented Impact @0.125"	ASTM D 3763	ft-lbs	43
Rockwell Hardness	ASTM D 785	-	M70 / R118
Thermal			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.75×10^{-5}
Coefficient of Thermal Conductivity	ASTM D 177	BTU-in/hr.ft ² . °F	1.35
Heat Deflection Temperature @ 264psi	ASTM D 648	°F	270
Heat Deflection Temperature @ 66psi	ASTM D 648	°F	280
Flammability			
Horizontal Burn, AEB	ASTM D 635	in	<1
Ignition Temperature, Self	ASTM D 1929	°F	1000
Ignition Temperature, Flash	ASTM D 1929	°F	800

*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.