



Clear Vision

Sometimes the best solutions are ones that are hardest to see

Description

Viridian **SuperClear™** provides maximum transparency and clarity by providing a crystal clear glass without the green tint usually found in standard float glass. This is achieved by removing the iron content from the glass during manufacture. The result is readily apparent with thick glass where the edges remain clear and colour transmittance is more accurately processed in the same way as standard float glass. Viridian **SuperClear™** is available in laminated, toughened and toughened laminated form. It is particularly useful when glass has an applied design or colour such as Viridian **Seraphic™** where light colours such as white remain true. Light transmission is also higher than standard glass which assists in the collection of solar energy. The sheer beauty of this product opens up a raft of new possibilities for architects and designers.

The table below shows the light and solar transmission performance for SuperClear and standard float glass.

Features and benefits

High clarity, crystal clear, low iron glass for special applications.

- ◆ Very high light transmission of over 90%
- ◆ High solar transmission for solar power
- ◆ Can be toughened and laminated
- ◆ Maintains colour consistency over the range of glass thickness
- ◆ Used in Seraphic and very thick products such as Viridian **Décorfloor™** to minimise natural green tone



SuperClear™

Applications

- ◆ Shopfronts and display cases
- ◆ Balustrades and Total Vision system entries
- ◆ Furniture
- ◆ Splashbacks
- ◆ Seraphic glass for true colours
- ◆ Appliance glass
- ◆ Solar collectors and high performance mirrors
- ◆ Specialist applications requiring thick glass, e.g. **Décorfloor™** customised laminate

Maximum size

- ◆ Stock range – 5100 x 3210mm
- ◆ Laminated – 5100 x 3210mm

How to specify

- ◆ **Select glass name**
Viridian SuperClear
- ◆ **Select thickness – process**
3mm to 19mm – Annealed
4mm to 19mm – Toughened
4mm to 19mm – Heat Strengthened
6.38mm to 31.52mm – Laminated
7.52mm to 31.52mm – Toughened/Laminate

Comparison of light and solar transmission

Glass thickness	Light transmission %		SHGC	
	VFloat	SuperClear	VFloat	SuperClear
3mm	89	92	0.85	0.91
4mm	89	92	0.85	0.90
6mm	88	91	0.82	0.90
10mm	85	90	0.75	0.89
12mm	84	90	0.72	0.88
15mm*	82	90	0.70	0.87
19mm*	80	89	0.67	0.86

*Subject to availability.