



Core Products

VFloat™

Applications

- ◆ Where visibility and light transmission are important
- ◆ General glazing
- ◆ Further processed as toughened, laminated, or toughened laminate glass
- ◆ Insulating glass, mirror coated and screen printed

Maximum size

- ◆ 6000 x 3210mm*

How to specify

- ◆ **Select glass name**
Viridian VFloat
- ◆ **Select thickness – process**
3mm to 19mm fl Annealed
- ◆ **Select colour**
Refer to chart below

* Not available in all tones and in all states of Australia or New Zealand

Product range

	Thickness (mm)								
VFloat	3	4	5	6	8	10	12	15	19
Clear	◆	◆	◆	◆	◆	◆	◆	◆	◆
Grey		◆	◆	◆	◆	◆	◆		
Bronze		◆	◆	◆		◆	◆		
Green		◆	◆			◆			

Setting the standard in clear and toned glass with infinite possibilities and applications

Description

Viridian **VFloat™** sets the standard for quality and vision. It is the name we give our base products that are manufactured using the float glass process. We invite designers, architects and engineers to push the boundaries in the use of this extraordinary building material.

Glass is produced with brilliant flat surfaces providing clarity, low distortion and high daylight transmission. VFloat is manufactured either clear or toned (grey, bronze and green).

It is available in a wide range of sizes enabling designers and customers to fill large transparent openings economically.

VFloat provides ease of cutting and it is ideal for further processing into a range of products available for general glazing, laminating, toughening, high performance coating, mirrors and decorative paint finishes.

Viridian **VFloat Clear** provides high light transmission and visibility. It is suitable for conventional and double glazed windows.

When safety is required for doors and partitions, it is specified in toughened, laminated, or toughened laminate forms complying with the requirements of Building Codes and Standards.

VFloat toned glass provides colour and energy management by reducing solar heat gain, while retaining good daylight transmission and low reflectivity. It also provides reductions in UV. VFloat toned is available in grey, bronze and green. It can be toughened, laminated or used as a toughened laminate. Similarly it can be incorporated into Viridian **ThermoTech™** (insulating glass units) for enhanced solar and thermal performance. The tone and light transmission will vary depending on the thickness selected and this is a design consideration where colour uniformity is required.

Thermal strength and safety

VFloat toned glass is designed to improve conditions by reducing glare and solar radiation into buildings. The glass absorbs a proportion of the solar heat, which can lead to glass fracture from thermal stress if adequate precautions are not taken. It is important to note that the edges of solar control glass are not damaged during installation as this increases the risk of thermal fracture.

At an early stage of building design or when specifications are being finalised, Viridian can determine the risk of thermal fracture and recommend if heat strengthening or toughening of the glass is required.

Design considerations

The maximum sizes in this glass guide are manufacturing sizes and are in excess of the safe glazing sizes set out in Standards. VFloat may also need to be supplied in toughened, laminated, or toughened laminate form as required by Standards.

Features and benefits

- ◆ Clear for maximum daylight transmission and toned for solar control
- ◆ High clarity, low distortion with brilliant flat surfaces
- ◆ Wide range of sizes and thickness for optimum utilisation
- ◆ Used for glazing, toughening, insulating glass units, laminating, coating and high quality Viridian **MirraEcho™**

Performance comparison chart

VFloat*	Insulation	Solar	Daylight
Clear	5.8	0.82	88
Grey	5.8	0.58	42
Green	5.8	0.59	75
Bronze	5.8	0.65	51

*6mm glass thickness.

The bar chart diagram is for indication only, for performance data please refer to the glass performance data tables at the end of this document.