



PRODUCT

# VFloat™

Premium float glass – our foundation product for clear vision & quality

**Start your journey to brighter, more visually spectacular designs with Viridian VFloat™.**

**VFloat™ is the starting point in our range. Made using the float process – the benchmark for glass of quality and optical clarity – you can be assured that VFloat™ will make a great contribution to your space.**

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.

Glass is produced with brilliant flat surfaces providing clarity, low distortion and high daylight transmission. VFloat™ is manufactured either clear, toned or super toned.

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.

**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.

The toned options offer colour and energy management by reducing solar heat gain, while retaining good daylight transmission and low reflectivity. It also provides reductions in UV.

It can be toughened, laminated or used as a toughened laminate. Similarly it can be incorporated into **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.

## Considerations

**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 can recommend if heat strengthening or toughening of the glass is required.

## Performance Comparison Chart

VFloat™*	VLT	U-Value	SHCG
Clear	88	5.8	0.82
Light Grey	61	5.8	0.66
Grey	42	5.8	0.58
Bronze	51	5.8	0.65
Green	75	5.8	0.59
SuperClear	91	5.8	0.89
SuperGrey	9	5.8	0.36
SuperBlue	53	5.8	0.52
SuperGreen	67	5.8	0.53

\*6mm glass thickness

## 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 and coating

## Applications

When supplied in toughened, laminated, or toughened laminate form as required by Standards :

- Windows
- Doors

## How to Specify

- **Select glass name**  
VFloat™
- **Select thickness – process**  
4mm to 19mm – Annealed
- **Select colour**  
Refer to chart below

## Product Range

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

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