



ESSENTIAL

VFloat™

Premium float glass

VFloat™ is a foundation product of the float manufacturing process. The glass is produced with brilliant flat surfaces, setting the benchmark for glass of quality and optical clarity.

Manufactured in Clear or Toned and available in a wide range of sizes, the brilliant flat surface of VFloat™ provides clarity, low distortion and high daylight transmission.

VFloat™ is ideal for further processing such as general glazing, laminating, toughening, high performance coating, mirrors and decorative finishes. It can also be incorporated into double glazed unit applications 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.

Features and Benefits

- Brilliant flat surfaces.
- Easy to process.
- VFloat™ Clear for high clarity and low distortion.
- VFloat™ Toned for solar control.
- When toughened, VFloat™ is a Grade A safety glass.





Considerations

Thermal Stress

- VFloat™ Toned glass can absorb solar heat when exposed to the sun. This can lead to glass fracture from thermal stress, particularly if partially shaded. We recommend heat treatments such as heat strengthening or toughening to eliminate this risk.

Installation

- Edges of solar control glass must not be damaged during installation as this increases the risk of thermal fracture.

Design Considerations

- VFloat™ Toned glass will have varying tints and light transmission depending on the thickness.
- Annealed glass is not recommended for applications where safety glass is required.

Sectors

- Residential

Applications

General glazing only.

- Windows
- Doors
- Frameless Glazing
- Shower Screens
- Partitions

Performance Data

Product Name	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
VFloat™ Clear	6	88	5.80	0.82	1.07
VFloat™ Clear	10	85	5.70	0.75	1.13
VFloat™ Clear	12	84	5.60	0.73	1.15
VFloat™ Clear	19	82	5.40	0.72	1.14
VFloat™ Light Grey	6	61	5.80	0.66	0.92
VFloat™ Grey	6	42	5.80	0.58	0.72
VFloat™ Grey	10	26	5.70	0.50	0.52
VFloat™ Grey	12	21	5.60	0.47	0.45
VFloat™ Green	6	75	5.80	0.59	1.27
VFloat™ Green	10	66	5.70	0.52	1.27
VFloat™ Bronze	6	51	5.80	0.65	0.78
VFloat™ Bronze	10	34	5.70	0.55	0.62

Note: All performance data is determined using LBL window 7 software. NFRC 100 - 2010 conditions have been used. Glass surfaces are counted from the exterior to the interior of the building. Refer to Viridian Performance Data for more values.

How to Specify

- **Select glass processor**
Viridian Glass
- **Select glass name**
VFloat™
- **Select tone & thickness**
See chart below.
- **Select processes**
Annealed, heat strengthened, toughened, laminated, toughened laminated, toughened heat soaked, insulated glass units, mirror coated and screen or digital printing.

Standard Stock Sizes

Product Name	Thickness	Stock Size
VFloat™ Clear	4mm, 5mm, 6mm	5100mm x 3210mm
VFloat™ Clear	8mm, 10mm, 12mm	6000mm x 3210mm
VFloat™ Clear	15mm, 19mm	5100mm x 3210mm
VFloat™ Light Grey	6mm	5100mm x 3210mm
VFloat™ Grey	4mm, 5mm, 6mm, 8mm, 10mm, 12mm	5100mm x 3210mm
VFloat™ Green	4mm, 5mm, 6mm, 10mm	5100mm x 3210mm
VFloat™ Bronze	4mm, 5mm, 6mm, 10mm	5100mm x 3210mm
VFloat™ SuperClear	4mm, 6mm, 10mm, 12mm, 15mm, 19mm	5100mm x 3300mm

Note: Subject to further processing requirements. Standard stock sizes do not reflect actual available stock, please consult Viridian.