



PRODUCT

# Viridian ClimaTech™

## Entry level performance double glazing – for added comfort.

Viridian ClimaTech™ offers quality entry level double glazing for spaces which require additional insulation.

The built environment is demanding more thermally efficient building envelopes, and it is becoming more challenging to achieve local regulations with standard single glazing.

Suitable for hot and cold climates,

Viridian ClimaTech™ provides increased thermal performance in residential and commercial window applications.

Viridian ClimaTech™ is a limited range of clear or toned double-glazed units for applications which require a better performing window glass.

Viridian ClimaTech™ uses two pieces of glass, one coated with a spectrally controlled low E coating and the other an ordinary clear or toned glass. Viridian ClimaTech™ is supplied in either heat strengthened or toughened only glass, which is separated by an aluminium spacer and sealed together using argon gas.

The product is available in 4mm, 5mm or 6mm clear options, and 6mm additional toned options for ease of choice and selection.

## Considerations

- Glazing compounds, sealants and gaskets need to be approved by Viridian for suitability.
- Frame design – the Viridian Warranty relies on frame design in accordance with AS/4666.
- Do not expose **Viridian ClimaTech™** edges to standing water and moisture as this can result in seal failure. The frames must incorporate impervious weather seals or an efficient self-draining system.
- Wind load and safety determine the type and thickness of glass required – refer Australian Standard AS1288 or New Zealand Standard NZS4223.
- Special handling is required. When transporting and installing at altitudes of 800m and above, special requirements apply. This must be brought to the attention of Viridian.
- For higher thermal performance, and other additional benefits like acoustic or privacy consider upgrading to the PerformaTech™ or LightBridge next™ products.
- Thermal assessment may be required for lower SHGC variants.

## Features and Benefits

- Increased insulation and reduced energy cost.
- Suitable for hot and cold climates.
- Argon gas as standard.
- Covered by Viridian Glass warranty.

## Applications

- Commercial and Residential Windows and Doors

## Size Limits

- Minimum Size\*: 350mm x 250mm
- Maximum Size\*: 4500mm x 2700mm

\*\*The maximum unit area permissible under AS1288 needs to be taken into consideration too. Sizes outside of these limits may be available as a special order on request \*\*

## How to Specify

- **Select glass name**  
Viridian ClimaTech™
- **Select limiting tone**  
Colours: Clear, Light Grey\*, Grey\*, Bronze\*, Green\*, SuperBlue\*, SuperGreen\*  
\*6mm only
- **Select thickness** - 4mm, 5mm, 6mm
- **Select spacer width** - 8mm to 20mm
- Available in heat strengthened or toughened only.

## Product Range

- **Residential**  
4mm and 5mm available in Clear only.  
6mm available in Clear, Light Grey and Grey tones
- **Commercial**  
6mm available in Clear, Light Grey, Grey, Bronze, Green, SuperBlue and SuperGreen tones.
- Only available with aluminium spacer

## Performance Comparison

Outside Glass	Inside Glass	Nominal Thickness mm	VLT	U-Value	SHGC	Application Suitability
4mm VFloat™ Clear	4mm Viridian ClimaTech™	4+12+4	77	1.5	0.64	Residential
5mm VFloat™ Clear	5mm Viridian ClimaTech™	5+12+5	75	1.5	0.61	Residential
6mm VFloat™ Clear	6mm Viridian ClimaTech™	6+12+6	74	1.5	0.60	Residential
6mm VFloat™ Light Grey	5mm Viridian ClimaTech™	6+12+5	53	1.5	0.45	Residential
6mm VFloat™ Grey	5mm Viridian ClimaTech™	6+12+5	35	1.5	0.35	Residential
6mm Viridian ClimaTech™	6mm VFloat™ Clear	6+12+6	74	1.5	0.54	Commercial
6mm VFloat™ Light Grey	6mm Viridian ClimaTech™	6+12+6	53	1.5	0.45	Commercial
6mm VFloat™ Grey	6mm Viridian ClimaTech™	6+12+6	35	1.5	0.35	Commercial
6mm VFloat™ Bronze	6mm Viridian ClimaTech™	6+12+6	43	1.5	0.42	Commercial
6mm VFloat™ Green	6mm Viridian ClimaTech™	6+12+6	63	1.5	0.40	Commercial
6mm VFloat™ SuperGreen	6mm Viridian ClimaTech™	6+12+6	56	1.5	0.33	Commercial
6mm VFloat™ SuperBlue	6mm Viridian ClimaTech™	6+12+6	44	1.5	0.32	Commercial