



ENERGY

Viridian ClimaTech™

Entry level performance double glazing

Viridian ClimaTech™ is the gateway to performance double glazing, suitable for spaces which require additional insulation to meet the demands of more thermally efficient building envelopes.

Standard single glazing is no longer viable in achieving local regulations, Viridian ClimaTech™ offers quality entry level double glazing for spaces that require increased thermal performance in residential and commercial window applications.

Viridian ClimaTech™ is a limited range of clear or toned double glazed units with a spectrally controlled Low E coating, and supplied in either heat strengthened or toughened only glass.

Features and Benefits

- Increased insulation and reduced energy costs.
- Suitable for hot and cold climates.
- For higher thermal performance and other additional benefits such as acoustic or privacy solutions, consider upgrading to the PerformaTech™ or LightBridge next™ ranges.





Considerations

Installation

- Suitability of glazing compounds, sealants and gaskets need to be approved by Viridian.
- Units must not be stored externally or exposed to prolonged moisture prior to installation as this can result in seal failure.
- When transporting and/or installing at altitudes of 800m and above, special air pressure equalisation requirements may apply and must be brought to the attention of Viridian.
- Thermal assessment may be required for lower SHGC variants.
- Ensure coating surface is identified and oriented for optimal performance.

Standards

- Wind load and safety determine the type and thickness of glass required, refer to AS 1288.

Sectors

- Residential
- Commercial

Applications

- Windows
- Doors

How to Specify

- **Select glass processor**
Viridian Glass
- **Select glass name**
Viridian ClimaTech™
- **Select tone & thickness**
Custom sizes available, consult Viridian.
- **Select processes**
Insulated glazed unit.
- **Select spacer**
 - Warm Edge
 - Aluminium

Performance Data

Product Name	Outside Glass	Inside Glass	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
Viridian ClimaTech™ Clear	VFloat™ Clear	Viridian ClimaTech™	4+12+4	80	1.50	0.61	1.31
Viridian ClimaTech™ Clear	VFloat™ Clear	Viridian ClimaTech™	5+12+5	78	1.50	0.58	1.34
Viridian ClimaTech™ Clear	VFloat™ Clear	Viridian ClimaTech™	6+12+6	79	1.50	0.58	1.36
Viridian ClimaTech™ Clear	Viridian ClimaTech™ Clear	VFloat™ Clear	6+12+6	79	1.50	0.57	1.39
Viridian ClimaTech™ Light Grey	VFloat™ Light Grey	Viridian ClimaTech™	6+12+5	54	1.50	0.42	1.29
Viridian ClimaTech™ Light Grey	VFloat™ Light Grey	Viridian ClimaTech™	6+12+6	55	1.50	0.42	1.31
Viridian ClimaTech™ Grey	VFloat™ Grey	Viridian ClimaTech™	6+12+5	37	1.50	0.39	0.95
Viridian ClimaTech™ Grey	VFloat™ Grey	Viridian ClimaTech™	6+12+6	37	1.50	0.34	1.09
Viridian ClimaTech™ Bronze	VFloat™ Bronze	Viridian ClimaTech™	6+12+6	44	1.50	0.38	1.16
Viridian ClimaTech™ Green	VFloat™ Green	Viridian ClimaTech™	6+12+6	67	1.50	0.39	1.72
Viridian ClimaTech™ SuperGreen	VFloat™ SuperGreen	Viridian ClimaTech™	6+12+6	60	1.50	0.33	1.82
Viridian ClimaTech™ SuperBlue	VFloat™ SuperBlue	Viridian ClimaTech™	6+12+6	47	1.50	0.31	1.52

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.

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