



PRODUCT

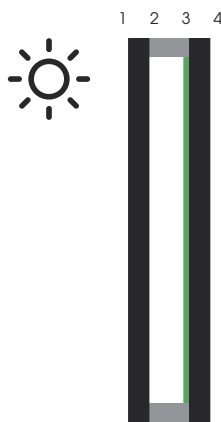
# ThermoTech™ E

Viridian ThermoTech™ E is a range of sealed double-glazed units that offers greatly improved insulation and solar control. By using Viridian glass products within the double-glazed units, ThermoTech™ E offers a large range of performance depending on the glass combination.

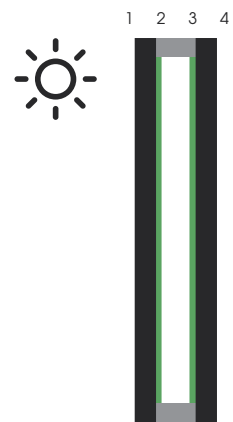
ThermoTech™ E contains high performance Low E coated glass within the unit, providing even better insulation and solar control. As a highly customisable product, ThermoTech™ E offers various glass make-ups:



Coating on Position #2  
Offers a slightly better solar performance than Low E on #3.



Coating on Position #3  
Allows for greater selection of outer glass options.  
Note that the coating on #3 will always be EnergyTech™.



Coating on Position #2 & #3  
Offers improved performance compared to the use of one coating. Note that the coating on #3 will always be EnergyTech™.

## Features and Benefits

- Increased insulation and reduced energy costs.
- Wide range of solar control options that can be customised for each project.
- Suitable for hot and cold climates.
- Reduced condensation.
- Argon gas as standard.

## Consideration

- 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 **ThermoTech™ E** 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.
- Refer to the Viridian website for specification and installation information, including distortion and reflection from changes in exterior and interior pressure and temperature.
- 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.

## Applications

- Windows
- Facades
- Overhead glazing
- Curtain wall
- Spandrels

## Maximum Size

- Maximum Size: 4900mm x 2600mm\*  
\*subject to glass type and material thickness

## How to Specify

- **Select glass name**  
ThermoTech™ E (Position #2; #3; #2 and #3)
- **Select product make-up**  
Refer to performance comparison table for glass options (e.g. 6mm **Evantage™** Clear + 12 + 6mm Clear)
- **Select colour**  
Subject to product make-up – Refer to performance comparison table

## ✓ Performance comparison

ThermoTech™ E make-up (Coating Position #2)	VLT	U-Value	SHGC
6mm Evantage™ Clear + 12mm + 6mm Clear	57	1.7	0.56
6mm EnergyTech™ Clear + 12mm Argon + 6mm Clear	73	1.6	0.62
6mm EnergyTech™ SuperGreen™ + 12mm Argon + 6mm Clear	54	1.6	0.32
ThermoTech™ E make-up (Coating Position #2 and #3)			
6mm EnergyTech™ Clear + 12mm + 6mm EnergyTech™ Clear	67	1.5	0.59