



PRODUCT

ThermoTech™

Double glazing – for enhanced comfort and design flexibility

Today's building regulations call for adhering to strict energy efficiency requirements. But this doesn't need to restrict the comfort of your space.

The ThermoTech™ range offers plenty of glass combinations and spacer options within double glazed units – helping you create the perfect product to keep your space comfortable and energy efficient.

Suitable for hot and cold climates, products in the ThermoTech™ range are capable of keeping your space naturally lit without increasing your energy consumption or power bills.

ThermoTech™ is a range of sealed double glazed units that offers improved insulation.

ThermoTech™ uses 2 pieces of ordinary or laminated glass separated by a spacer and sealed together. ThermoTech™ will integrate products such as VFloat™, VLam™, SuperTones™, VLam™ Hush or DécorColour™ in the unit.



1 2 3 4



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 **ThermoTech™** 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.
- Units must be installed with Viridian product label facing to the exterior.

Features and Benefits

- Increased insulation and reduced energy cost.
- Suitable for hot and cold climates.
- Can be incorporated with a Low E coated product for additional insulation.
- Reduced condensation.
- Argon gas as standard.
- Available with aluminium spacer as standard, this product can be supplied with a warm edge thermal spacer at additional cost.

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™
- **Select product make-up**
Refer to performance comparison table for glass options e.g. 6mm **VFloat™** Clear + 12 + 6mm Clear
- **Select colour**
Subject to product make-up – Refer to performance comparison table
- **Select spacer type**
Aluminium spacer supplied as standard

✓ Performance Comparison

ThermoTech™ make-up	VLT	U Value	SHGC
6mm Clear + 12mm Argon + 6mm Clear	78	2.5	0.71
6mm Grey + 12mm Argon + 6mm Clear	37	2.5	0.45
6mm SuperGreen™ + 12mm Argon + 6mm Clear	59	2.5	0.40

ThermoTech™ is a trademark of Viridian Glass