



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 Viridian 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 **DecorColour™** 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

Viridian ThermoTech™ is a trademark of Viridian Glass