



PRODUCT

EnergyTech™

Insulating glass – the first step in greater thermal control

If you want to bathe your space in natural light but still control the temperature within – then look no further than our EnergyTech™.

Specifically designed for Australian conditions, EnergyTech's enhanced solar control keeps buildings cooler in summer and warmer in winter. So you can open your space to natural light without compromising on comfort.

The comprehensive range of **EnergyTech™** Low E products offer improved thermal insulation and a choice of solar control performance with low visible light reflection.

Viridian understands our climate is unlike that of Northern Europe or the United States. That's why we offer a comprehensive choice of Solar Control Low E products to help reduce the extremes of Australia's warmer weather, balanced with opportunities for passive solar heating.

Using the durable pyrolytic hard coat technology enables the durable Low E coating to be single glazed and exposed to the interior of a building to provide improved thermal insulation. The product can also be used as part of a laminated glass or in an insulated glass unit.

The EnergyTech range

EnergyTech™ Low E products offer improved thermal insulation (U-Value) to help keep a building warmer in winter and reduced solar heat gain (SHGC) to help keep your building cooler in summer with a choice of solar control performance levels. The range is designed specifically for the Australian climate regions and to help meet energy requirements.

The product can also be used as part of a laminated glass or in an insulated glass unit and complements our **ComfortPlus™** range.



Considerations

Please note the presence of haze may be perceived under certain light conditions (Refer to our website for more information). When single glazed, these products are not designed to prevent surface condensation and their insulating capacity is reduced should this occur. **ThermoTech™** Insulating Glass Units are recommended in these situations. When used in a single glazed application, the coating needs to be exposed to the interior of the building.

✓ **Key consideration during design is to comply with the energy codes while still maximising visible light transmission (VLT).**

How to Specify

- **Select glass name**
EnergyTech™
- **Select thickness - process**
Annealed, toughened, heat strengthened
- **Select colour**
Refer to product range below

✓ Performance comparison

EnergyTech™	Single Glazing			Insulated Glass Units		
	VLT	U-Value	SHGC	VLT	U-Value	SHGC
SuperClear	83	3.7	0.77	76	1.6	0.70
Clear	81	3.6	0.70	73	1.6	0.62
Grey	40	3.7	0.48	35	1.7	0.39
SuperGreen	61	3.7	0.41	54	1.6	0.32

*6mm glass thickness

Features and benefits

- Durable Low E hard coating bonded to the glass for enhanced thermal insulation by lowering the U-Value of the glass.
- A broad range of solar control performance to choose for Australian conditions.
- Low visible light reflectivity to provide good transparency.
- Can be toughened, laminated, curved or used in an insulated glass unit.
- Does not require edge deletion for use in insulated glass units.
- Once toughened or laminated to the relevant standard **EnergyTech™** is a Grade A safety glass (AS/NZ2208).

Applications

- Windows
- Doors
- Overhead Glazing
- Facades

✓ Product range

EnergyTech™	Thickness (mm)					
	4	5	6	8	10	12.4
SuperClear			◆			
Clear	◆	◆	◆	◆	◆	◆
Grey	◆		◆			
SuperGreen			◆			



PRODUCT

SolTech™

Insulating glass – for a comfortable building with enhanced insulation

SolTech™ provides better insulation and enhanced solar control levels to keep your space comfortable across all seasons by keeping the temperature of your room controlled, lowering your energy consumption and reducing the need for additional heating and cooling.

The **SolTech™** range features a pyrolytic Low Emissivity coating that is fused at extremely high temperature when the glass is being made, producing a durable hard transparent coating on one surface of the glass. Unlike ordinary float glass, the Low E coating provides better insulation and enhanced solar control to help keep a building warmer in winter and cooler in summer.

Available in neutral and grey tones, **SolTech™** provides good daylighting performance whilst

improving the thermal insulation and reducing the solar heat gain. The products can also be used as part of a laminated glass or in an insulated glass unit for enhanced performance.

The SolTech™ range

SolTech™ Low E products offer improved thermal insulation (U-Value) to help keep a building warmer in winter and reduced solar heat gain (SHGC) to help keep your building cooler in summer with a choice of solar control performances levels. The range is designed specifically for the Australian climate regions and to help meet energy requirements.

Considerations

Please note the presence of haze may be perceived under certain light conditions (Refer to our website for more information). When single glazed, these products are not designed to prevent surface condensation and their insulating capacity is reduced should this occur. ThermoTech Insulating Glass Units are recommended in these situations. When used in a single glazed application, the coating needs to be exposed to the interior of building.

Features and benefits

- Low E coating provides enhanced thermal insulation by lowering the U-Value of the glass.
- Provides a choice of good visible day lighting to reduce the need for interior lighting.
- Low visible light reflectivity to provide good transparency.
- Can be toughened, laminated, curved or used in an insulated glass unit.
- Does not require edge deletion for use in insulated glass units.
- Once toughened or laminated to the relevant standard **SolTech™** is a Grade A safety glass (AS/NZ2208).

✓ Performance comparison

SolTech™	Single Glazing			Insulated Glass Units		
	VLT	U-Value	SHGC	VLT	U-Value	SHGC
Neutral	63	3.7	0.54	56	1.5	0.45
Grey	30	3.7	0.37	27	1.5	0.28

*6mm glass thickness

Applications

- Windows
- Doors
- Overhead Glazing
- Facades

How to Specify

- **Select glass name**
SolTech™
- **Select thickness and process**
Annealed, toughened, heat strengthened
- **Select colour**
Refer to product range below

✓ Product range

SolTech™	Thickness (mm)		
	4	6	10
Neutral	◆	◆	◆
Grey		◆	