



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.

Glass must be installed with Viridian product label facing to the exterior.

## 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	1.6	0.45
Grey	30	3.7	0.37	27	1.6	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		◆	