



## ENERGY

# EnergyTech<sup>1</sup>

## Performance single glazing

**EnergyTech<sup>1</sup> is a single glazed hard coat Low E product which is designed specifically to improve thermal insulation and offers solar control performance with low visible light reflection.**

As the pyrolytic hard coating of EnergyTech<sup>1</sup> is applied during the float glass process it is extremely durable and can incorporate additional processes after manufacture compared to soft coated products.

Due to the nature of the coating it can be exposed to the interior of a building to provide improved thermal insulation and can also be used as part of a laminated or insulated glass unit.

EnergyTech<sup>1</sup> is supplied in a range of clear, coloured and toned float glass types for design and solar control flexibility.

### Features and Benefits

- A broad range of solar control performance.
- Low visible light reflectivity for good transparency.
- When toughened, EnergyTech<sup>1</sup> is a Grade A safety glass.





## Considerations

### Installation

- Haze may be present under certain light conditions.
- When single glazed, the coating needs to be exposed to the interior of the building, the product label will be applied to the non-coated surface. The Viridian product label affixed to the glass must be installed to the outside of the building.
- When incorporated into an IGU, it is recommended that the coating be applied to the internal surfaces of the unit, and the coated surface is identified and oriented for optimal performance.

### Sectors

- Residential
- Commercial

### Applications

- Windows
- Doors
- Overhead Glazing
- Facades
- Retrofit Glazing

## How to Specify

- **Select glass processor**  
Viridian Glass
- **Select glass name**  
EnergyTech<sup>1</sup>
- **Select tone & thickness**  
See chart below.
- **Select processes**  
Laminated, toughened laminate or insulated glass unit.

## Standard Stock Sizes

Product Name	Thickness	Stock Size
EnergyTech <sup>1</sup> Clear	4mm	5100mm x 3210mm
	5mm	
	6mm	
	8mm	
	10mm	
EnergyTech <sup>1</sup> Light Grey	6mm	5100mm x 3210mm
	6mm	
EnergyTech <sup>1</sup> Grey	4mm	5100mm x 3210mm
	6mm	

**Note:** Subject to further processing requirements. Standard stock sizes do not reflect actual available stock, please consult Viridian.

## Performance Data

Product Name	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
EnergyTech <sup>1</sup> Clear (#2)	4	83	3.70	0.72	1.15
EnergyTech <sup>1</sup> Clear (#2)	5	82	3.70	0.71	1.15
EnergyTech <sup>1</sup> Clear (#2)	6	81	3.60	0.70	1.16
EnergyTech <sup>1</sup> Clear (#2)	8	81	3.60	0.70	1.16
EnergyTech <sup>1</sup> Clear (#2)	10	79	3.60	0.66	1.20
EnergyTech <sup>1</sup> Clear (#2)	12	79	3.60	0.63	1.25
EnergyTech <sup>1</sup> Light Grey (#2)	6	57	3.70	0.54	1.06
EnergyTech <sup>1</sup> Grey (#2)	4	50	3.70	0.54	0.93
EnergyTech <sup>1</sup> Grey (#2)	6	40	3.70	0.48	0.83

**Note:** All performance data is determined using LBL window 7 software. NFRC 100 - 2010 conditions have been used. Glass surfaces are counted from the exterior to the interior of the building. Refer to Viridian Performance Data for more values.

EnergyTech<sup>1</sup> is a registered trademark of Oceania Glass.