



## ENERGY

# EVantage<sup>1</sup>

## High performance single glazing

**EVantage<sup>1</sup> is a Low E coated product that provides thermal and solar control enhancement.**

EVantage<sup>1</sup> delivers improved thermal insulation and greater solar control, keeping your space cooler in summer and warmer in winter.

Manufactured by the pyrolytic Low E coating process, EVantage<sup>1</sup> is a product that combines solar and thermal performance, subtle reflectivity and glare control.

EVantage<sup>1</sup> can be incorporated into a laminated glass unit, an insulated glass unit or a combination of both for enhanced performance.

### Features and Benefits

- Good solar control.
- Good light transmission.
- Reduce UV transmittance.
- Reduce Glare.
- Neutral light transmittance maintains toned glass colour and clarity.





## Considerations

### Thermal Stress

- Recommended for thermal stress fracture risk assessment.

### 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 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 ensure the coated surface is identified and oriented for optimal performance on surface #2.
- Local councils may have specific requirements regarding the maximum allowable external reflectivity of building materials.
- At night the increased reflectivity will result in a mirror appearance making it difficult to see externally.

## Sectors

- Residential
- Commercial

## Applications

- Windows
- Doors
- Facades
- Skylights

## Performance Data

Product Name	Nominal Thickness (mm)	VLT (%)	U Value	SHGC	Selectivity
EVantage <sup>1</sup> Clear (#2)	6	68	3.80	0.63	1.08
EVantage <sup>1</sup> Grey (#2)	6	32	3.80	0.42	0.76
EVantage <sup>1</sup> Bronze (#2)	6	38	3.80	0.46	0.83
EVantage <sup>1</sup> Blue-Green (#2)	6	56	3.80	0.46	1.22
EVantage <sup>1</sup> SuperGreen (#2)	6	49	3.80	0.38	1.29
EVantage <sup>1</sup> SuperBlue (#2)	6	39	3.80	0.37	1.05

**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.

## How to Specify

- **Select glass processor**  
Viridian Glass
- **Select glass name**  
EVantage<sup>1</sup>
- **Select tone & thickness**  
See chart below.
- **Select processes**  
Annealed, heat strengthened, toughened, toughened heat soaked or insulated glass unit.

## Standard Stock Sizes

Product Name	Thickness	Stock Size
EVantage <sup>1</sup> Clear	6mm	5100mm x 3210mm
EVantage <sup>1</sup> Grey	6mm	5100mm x 3210mm
EVantage <sup>1</sup> Bronze	6mm	3302mm x 2438mm
EVantage <sup>1</sup> SuperBlue	6mm	5100mm x 3210mm
EVantage <sup>1</sup> SuperGreen	6mm	3660mm x 2440mm
EVantage <sup>1</sup> Blue-Green	6mm	5100mm x 3210mm

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