

EVantage™

EVantage™ is a range of clear and toned products with a reflective pyrolytic Low E coating providing medium insulation performance and typically high solar control (excluding Clear).

Features



Energy Efficiency

EVantage™ can keep the temperature of your room controlled, lowering your energy consumption and reducing the need for additional heating and cooling.



Low E Coating

Coating is applied that allows natural light through without emitting radiant heat, maximising light and energy efficiency.



Climate

EVantage™ is designed with a consideration for mixed and warmer climates or where mid-range solar control and insulation are desired.



Reflective Coating

The Low E coating creates a subtle reflectivity that helps to reduce glare and secure privacy.



Range of Tones

Colour options are available within the EVantage™ range.



Easy Processing

EVantage™ can be toughened, laminated, curved or used in an insulated glass unit.

Product Range

Clear

Available Thickness (mm)

6

Maximum Sheet Size (mm)

5100x3210

Grey

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 6 |
| Maximum Sheet Size (mm) | 5100x3210 |

Bronze

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 6 |
| Maximum Sheet Size (mm) | 3302x2438 |

Blue Green

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 6 |
| Maximum Sheet Size (mm) | 5100x3210 |

SuperGreen

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 6 |
| Maximum Sheet Size (mm) | 5180x3302 |

SuperBlue

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 6 |
| Maximum Sheet Size (mm) | 5100x3210 |

Applications

External

Doors, Windows, Shop Front, Roof Glazing, Frameless Glazing

Technical Data

Performance

Single Glazing

| Product Name | Nominal Thickness | Visible | | Solar | | UV Trans. | U-Value | SHGC | Shading Co. | Weight m ² |
|---------------------------|-------------------|---------|-----------|----------|--------|-----------|---------|------|-------------|-----------------------|
| | | Trans. | Refl. Out | Refl. In | Trans. | | | | | |
| EVantage™ Clear (#2) | 6 | 68 | 23 | 26 | 59 | 17 | 30 | 3.8 | 0.63 | 0.73 |
| EVantage™ Grey (#2) | 6 | 32 | 10 | 27 | 29 | 8 | 10 | 3.8 | 0.42 | 0.48 |
| EVantage™ Bronze (#2) | 6 | 38 | 11 | 27 | 35 | 10 | 11 | 3.8 | 0.46 | 0.53 |
| EVantage™ Blue Green (#2) | 6 | 56 | 19 | 27 | 35 | 11 | 16 | 3.8 | 0.46 | 0.53 |
| EVantage™ SuperGreen (#2) | 6 | 49 | 16 | 27 | 24 | 9 | 8 | 3.8 | 0.38 | 0.43 |
| EVantage™ SuperBlue (#2) | 6 | 39 | 12 | 27 | 23 | 8 | 10 | 3.8 | 0.37 | 0.43 |

Double Glazing

| Product Name | Nominal Thickness | Visible | | Solar | | UV Trans. | U-Value | SHGC | Shading Co. | Weight m ² |
|---|-------------------|---------|-----------|----------|--------|-----------|---------|------|-------------|-----------------------|
| | | Trans. | Refl. Out | Refl. In | Trans. | | | | | |
| EVantage™ Clear (#2) + QFloat™ Clear | 6+12+6 | 61 | 27 | 29 | 47 | 20 | 23 | 2 | 1.7 | 0.56 |
| EVantage™ Grey (#2) + QFloat™ Clear | 6+12+6 | 29 | 10 | 30 | 24 | 9 | 11 | 2 | 1.7 | 0.33 |
| EVantage™ Bronze (#2) + QFloat™ Clear | 6+12+6 | 34 | 13 | 29 | 28 | 11 | 9 | 2 | 1.7 | 0.38 |
| EVantage™ Blue Green (#2) + QFloat™ Clear | 6+12+6 | 51 | 21 | 30 | 29 | 12 | 13 | 2 | 1.7 | 0.38 |
| EVantage™ SuperGreen (#2) + QFloat™ Clear | 6+12+6 | 44 | 18 | 30 | 21 | 9 | 7 | 2 | 1.7 | 0.29 |
| EVantage™ SuperBlue (#2) + QFloat™ Clear | 6+12+6 | 35 | 13 | 30 | 19 | 9 | 8 | 2 | 1.7 | 0.28 |

Considerations

Application

EVantage™ when single glazed must be glazed with the exposed coating to the inside of the building (surface #2). When incorporated into IGUs solar control glass products are recommended to be glazed with coatings to surface #2. Please note that local councils may have

specific requirements regarding the maximum allowable reflectivity of building materials. At night reflectivity may result in a mirror appearance making it difficult to see externally.

Thermal Stress and Fracture Risk

Recommended for thermal stress fracture risk assessment.

Large Projects

Oceania Glass recommends that for large glazing facades (particularly curtain wall) the customer should highlight this in writing to enable consideration of colour management of supplied product.

How to Specify

Available colours and thicknesses:

| | |
|-------------------|-----|
| Clear | 6mm |
| Grey | 6mm |
| Bronze | 6mm |
| Blue Green | 6mm |
| SuperGreen | 6mm |
| SuperBlue | 6mm |

Select from: Annealed, Heat Strengthened, Toughened or Toughened Heat Soaked

*If unsure, select in compliance with AS1288-2021 or manufacturers recommendation. *

- The glass shall comply with the following performance criteria:
- U value
- Solar Heat Gain Coefficient (SHGC)
- Visible Light Transmission %
- Glass Only Values
- Total window

Annealed

Annealed glass is glass produced without internal stresses imparted by heat treatment, i.e., rapid cooling, or by toughening or heat strengthening. Annealed glass is not a Grade A safety glass.

Toughened

Glass converted to a safety glass by subjection to a process of pre-stressing so that, if fractured, the entire piece disintegrates into small, harmless particles. Toughened glass is a Grade A Safety Glass

Heat Soaking

Heat soak testing is a destructive test, which reduces the likelihood of spontaneous breakage by converting impurities such as nickel sulphide inclusions. Heat soaking is required in some but not all applications. If unsure, select in compliance with AS1288-2021 or manufacturers recommendation.

Heat Strengthening

All glass which requires extra strength and thermal resistance will be heat strengthened. Heat strengthening increases the strength of annealed glass; however, it is not a substitute for toughened glass

In the event of fracturing heat strengthened glass will crack and tends to remain in glazed position.

Toned Glass

Toned glass absorbs a proportion of solar radiation and may require a thermal assessment depending on application.

All glass is to be selected and installed in accordance but not exclusively with the following Australian and/or New Zealand Standards

- AS 1288 Glass in Buildings Selection and Installation
- AS 1170 Minimum Wind Loads on Structures

- AS/NZ 2208 Safety Glazing Materials in Buildings
- AS/NZ 4666 Insulating Glass Units
- AS/NZ 4667 Quality Requirements for cut-to-size and Processed Glass