

LuminaCloud™

LuminaCloud™ is a translucent float glass where one side has been treated with an acid etch to produce a satin finish. This process is applied to the entire sheet of glass at the time of manufacture, to ensure an overall consistent finish.

Features



Enjoy the Combination of Privacy & Light

LuminaCloud™ is a high quality translucent glass that diffuses light to provide natural illumination whilst still maintaining privacy.



Create Beautiful Spaces

The satin matte finish of the LuminaCloud™ range perfectly complements a sleek, modern design – suitable for both internal and external spaces.



Safety & Security

LuminaCloud™ is suitable for safety glass applications when toughened, also reducing the risk of thermal breakage.

Product Range

Clear

| | |
|--------------------------|--------------|
| Available Thickness (mm) | 4, 6, 10, 12 |
| Maximum Sheet Size (mm) | 3660×2440 |

Grey

| | |
|--------------------------|-----------|
| Available Thickness (mm) | 4, 6 |
| Maximum Sheet Size (mm) | 3210×2250 |

Applications

Internal

Doors, Balustrades, Frameless Glazing, Shower Screens, Partitions

External

Doors, Windows, Balustrades, 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. | Refl. | | Air | Argon | | | |
| LuminaCloud™ Clear | 4 | 89 | 8 | 8 | 82 | 8 | 67 | 5.9 | 0.85 | 0.98 | 10 | |
| LuminaCloud™ Clear | 6 | 88 | 8 | 8 | 78 | 7 | 60 | 5.8 | 0.82 | 0.95 | 15 | |
| LuminaCloud™ Clear | 10 | 85 | 8 | 8 | 67 | 7 | 52 | 5.7 | 0.75 | 0.86 | 25 | |
| LuminaCloud™ Clear | 12 | 84 | 8 | 8 | 64 | 7 | 48 | 5.6 | 0.73 | 0.84 | 30 | |
| LuminaCloud™ Grey | 4 | 56 | 6 | 6 | 55 | 6 | 29 | 5.9 | 0.67 | 0.77 | 10 | |
| LuminaCloud™ Grey | 6 | 42 | 5 | 5 | 42 | 5 | 19 | 5.8 | 0.58 | 0.67 | 15 | |

Double Glazing

| Product Name | Nominal Thickness | Visible | | | Solar | | UV Trans. | U-Value | | SHGC | Shading Co. | Weight m ² |
|---|-------------------|---------|-----------|----------|--------|-------|-----------|---------|-------|------|-------------|-----------------------|
| | | Trans. | Refl. Out | Refl. In | Trans. | Refl. | | Air | Argon | | | |
| LuminaCloud™ Clear + QFloat™ Clear | 4+12+4 | 81 | 16 | 16 | 71 | 14 | 55 | 2.7 | 2.6 | 0.75 | 0.87 | 20 |
| LuminaCloud™ Clear + QFloat™ Clear | 6+12+6 | 78 | 15 | 15 | 62 | 12 | 44 | 2.7 | 2.6 | 0.71 | 0.82 | 30 |
| LuminaCloud™ Clear + EnergyTech™ Clear (#3) | 4+12+4 | 74 | 18 | 17 | 57 | 16 | 42 | 1.9 | 1.7 | 0.7 | 0.81 | 20 |
| LuminaCloud™ Clear + EnergyTech™ Clear (#3) | 6+12+6 | 73 | 17 | 16 | 52 | 15 | 36 | 1.9 | 1.6 | 0.67 | 0.77 | 30 |
| LuminaCloud™ Grey + QFloat™ Clear | 4+12+4 | 50 | 8 | 14 | 46 | 8 | 25 | 2.7 | 2.6 | 0.55 | 0.64 | 20 |
| LuminaCloud™ Grey + QFloat™ Clear | 6+12+6 | 37 | 7 | 12 | 33 | 7 | 15 | 2.7 | 2.6 | 0.45 | 0.52 | 30 |
| LuminaCloud™ Grey + EnergyTech™ Clear (#3) | 4+12+4 | 46 | 9 | 15 | 38 | 10 | 20 | 1.9 | 1.7 | 0.5 | 0.57 | 20 |
| LuminaCloud™ Grey + EnergyTech™ Clear (#3) | 6+12+6 | 34 | 7 | 14 | 27 | 8 | 12 | 1.9 | 1.6 | 0.4 | 0.46 | 30 |

Considerations

Application

To retain translucency in shower screens and external windows it is advisable to install LuminaCloud™ with etched surface facing away from the water source.

How to Specify

Available colours and thicknesses:

| | |
|--------------|-----------------|
| Clear | 4, 6, 10 & 12mm |
| Grey | 4 & 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 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

Oceania Glass makes and distributes glass. Oceania Glass does not process glass nor produce Insulated Glass Units. Processing of glass and production of Insulated Glass Units is undertaken by independent processors. Speak with your nominated glass processors to understand their processing capability.