

LuminaMist™

LuminaMist™ is produced by bonding two sheets of glass together with a translucent interlayer to make a Grade A laminated safety glass with a white appearance for obscuring vision and diffusing light.

Features



Noise Control

LuminaMist™ provides good noise dampening over the same thickness of float glass. By incorporating LuminaMist™ into an insulating glass unit, excellent noise attenuation can be achieved.



Privacy

With a frosted appearance made by bonding two or more sheets of glass together with a PVB interlayer, the result is a durable glazing material that can be used for a variety of applications.



Safety & Security

LuminaMist™ is a grade A safety glass.



Range of Tones

Colour options are available within the LuminaMist™ range.



UV Protection

The PVB interlayer used in LuminaMist™ eliminates 99% of ultraviolet radiation.

Product Range

Clear

Available Thickness (mm)	6.38, 8.38, 10.38, 12.38
Maximum Sheet Size (mm)	5100×3210 (6.38mm), 3660×2440 (8.38mm), 4600×2760 (10.38 & 12.38mm)

SuperClear

Available Thickness (mm)	10.38, 12.38
Maximum Sheet Size (mm)	3660×2440

Grey

Available Thickness (mm)	6.76
Maximum Sheet Size (mm)	3660×2440

Applications

- Internal
- Doors, Frameless Glazing, Partitions
- External
- Doors, Roof Glazing, Frameless Glazing

Technical Data

Performance

Single Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U- Value	SHGC	Shading Co.	Weight m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
LuminaMist™ Clear	6.38	67	7	7	56	6	<1	5.7	0.68	0.78	15.4
LuminaMist™ Clear	8.38	66	7	7	55	6	<1	5.7	0.67	0.77	20.4
LuminaMist™ Clear	10.38	65	7	7	51	6	<1	5.6	0.65	0.74	25.4
LuminaMist™ Clear	12.38	65	7	7	50	6	<1	5.6	0.64	0.74	30.4
LuminaMist™ SuperClear	10.38	69	7	7	65	7	<1	5.6	0.74	0.85	25.4
LuminaMist™ SuperClear	12.38	69	7	7	64	7	<1	5.6	0.73	0.84	30.4
LuminaMist™ Grey	6.76	34	5	5	36	5	<1	5.6	0.55	0.63	15.8

Double Glazing

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value		SHGC	Shading Co.	Weight m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
LuminaMist™ Clear + QFloat™ Clear	6.38+12+6	59	10	13	45	8	<1	2.7	2.5	0.56	0.64	30.4
LuminaMist™ Clear + QFloat™ Clear	8.38+12+6	59	10	13	47	9	<1	2.7	2.5	0.55	0.63	35.4
LuminaMist™ Clear + QFloat™ Clear	10.38+12+6	58	10	13	41	8	<1	2.6	2.5	0.52	0.6	40.4
LuminaMist™ Clear + EnergyTech™ Clear (#3)	6.38+12+6	55	12	15	38	10	<1	1.9	1.6	0.51	0.59	30.4
LuminaMist™ Clear + EnergyTech™ Clear (#3)	8.38+12+6	54	12	15	38	9	<1	1.9	1.6	0.51	0.58	35.4
LuminaMist™ Clear + EnergyTech™ Clear (#3)	10.38+12+6	54	11	15	35	9	<1	1.8	1.6	0.48	0.55	40.4
LuminaMist™ SuperClear + QFloat™ SuperClear	10.38+12+6	63	11	14	58	10	<1	2.6	2.5	0.64	0.74	40.4
LuminaMist™ Grey + QFloat™ Clear	6.76+12+6	30	6	12	28	6	<1	2.7	2.5	0.42	0.48	30.8
LuminaMist™ Grey + EnergyTech™ Clear (#3)	6.76+12+6	28	6	14	24	7	<1	1.9	1.6	0.37	0.42	30.8

Considerations

Thermal Risk

Always assess your chosen product for thermal risk prior to specifying.

Glass Processing

Further processing is required for frameless glazing.

Installation

Exposed edges should be protected from moisture ingress.

How to Specify

Available colours and thicknesses:

Clear	6.38, 8.38, 10.38 & 12.38mm
SuperClear	10.38 & 12.38mm
Grey	6.76mm

Glass Thicknesses and colours available:

- Translucent 6.38, 8.38, 10.38 & 12.38mm
- Grey 6.76 & 10.76mm

- SuperClear 10.38 & 12.38mm
- Select from: Laminated or Heat Strengthened laminated

*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
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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

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.