

QLam™ is a durable, adaptable high performance glazing material that can provide solutions to many architectural applications. Within the QLam™ range there is a wide variety of laminated glass options. QLam™ is a Grade A laminated Safety glass.

Features



UV Protection

The PVB interlayer used in QLam™ eliminates 99% of ultraviolet radiation. This helps reduce the rate at which your furniture fades.



Safety & Security

The PVB interlayer used in QLam™ provides Grade A safety glass protection.



Laminated

QLam™ consists of two or more sheets of glass bonded together by heat and pressure with an interlayer of either PVB, EVA or a specialist high strength ionoplast interlayer.



Range of Tones

Colour options are available within the QLam™ range.



Tested & Certified

QLam™ is tested and certified to Grade A safety glass standards.

Product Range

Clear

Available Thickness (mm) 6.38, 6.76, 8.38, 10.38, 10.76, 12.38, 12.76

Maximum Sheet Size (mm) 5100×3210

SuperClear

Available Thickness (mm) 10.38, 12.38

Maximum Sheet Size (mm) 3660×2440

Grey

Available Thickness (mm) 6.38, 8.38, 10.38, 12.38

Maximum Sheet Size (mm) 5100×3210

Green

Available Thickness (mm) 6.38, 8.38, 10.38, 12.38

Maximum Sheet Size (mm) 3660×2440

Bronze

Available Thickness (mm) 6.38, 8.38, 10.38, 12.38

Maximum Sheet Size (mm) 3660×2440

Cool Blue

Available Thickness (mm) 6.38, 12.38

Maximum Sheet Size (mm) 3660×2440

SuperGreen

Available Thickness (mm) 10.38, 12.38

Maximum Sheet Size (mm) 3660×2440

Applications

Internal

Doors, Balustrades, Shop Front, Frameless Glazing, Partitions

External

Doors, Windows, Shop Front, Balustrades, Roof 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.					
QLam™ Clear	6.38	87	8	8	72	7	<1	5.7	0.79	0.9	15.4
QLam™ Clear	6.76	87	8	8	71	7	<1	5.7	0.77	0.89	15.8
QLam™ Clear	8.38	87	8	8	71	7	<1	5.7	0.78	0.89	20.4
QLam™ Clear	10.38	86	8	8	66	7	<1	5.6	0.74	0.85	25.4
QLam™ Clear	10.76	86	8	8	65	7	<1	5.6	0.74	0.85	25.8
QLam™ Clear	12.38	85	8	8	64	7	<1	5.6	0.74	0.85	30.4
QLam™ Clear	12.76	85	8	8	64	6	<1	5.5	0.73	0.84	30.8
QLam™ SuperClear	10.38	90	9	9	83	8	<1	5.6	0.86	0.99	25.4
QLam™ SuperClear	12.38	90	9	9	82	8	<1	5.6	0.85	0.98	30.4
QLam™ Grey	6.38	44	5	5	48	6	<1	5.7	0.62	0.71	15.4
QLam™ Grey	8.38	44	5	5	46	5	<1	5.7	0.62	0.71	20.4
QLam™ Grey	10.38	43	5	5	43	5	<1	5.6	0.59	0.68	25.4
QLam™ Grey	12.38	43	5	5	42	5	<1	5.6	0.59	0.68	30.4
QLam™ Green	6.38	70	7	7	61	6	<1	5.7	0.71	0.82	15.4
QLam™ Green	8.38	70	7	7	60	6	<1	5.7	0.7	0.81	20.4
QLam™ Green	10.38	69	7	7	55	6	<1	5.6	0.68	0.78	25.4
QLam™ Green	12.38	68	7	7	54	6	<1	5.6	0.67	0.77	30.4
QLam™ Bronze	6.38	51	6	6	50	6	<1	5.7	0.64	0.73	15.4
QLam™ Bronze	8.38	51	6	6	49	6	<1	5.7	0.63	0.72	20.4
QLam™ Bronze	10.38	50	6	6	45	5	<1	5.6	0.61	0.7	25.4
QLam™ Bronze	12.38	50	6	6	44	5	<1	5.6	0.6	0.69	30.4
QLam™ Cool Blue	6.38	77	7	7	67	7	<1	5.7	0.75	0.86	15.4
QLam™ Cool Blue	12.38	75	7	7	59	6	<1	5.6	0.7	0.8	30.4
QLam™ SuperGreen	10.38	66	7	7	31	5	<1	5.6	0.52	0.6	25.4
QLam™ SuperGreen	12.38	64	6	6	30	5	<1	5.6	0.51	0.59	30.4

Double Glazing

Product Name	Nominal Thickness	Visible			Solar		UV	U-Value		SHGC	Shading Co.	Weight m ²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.	Trans.	Air	Argon			
QLam™ Clear + QFloat™ Clear	6.38+12+6	78	15	15	58	11	<1	2.7	2.5	0.67	0.77	30.4
QLam™ Clear + QFloat™ Clear	8.38+12+6	77	14	15	56	11	<1	2.7	2.5	0.66	0.76	35.4
QLam™ Clear + EnergyTech™ Clear (#3)	6.38+12+6	72	17	16	49	13	<1	1.9	1.6	0.64	0.73	30.4
QLam™ Clear + EnergyTech™ Clear (#3)	8.38+12+6	72	17	16	49	13	<1	1.9	1.6	0.62	0.72	35.4
QLam™ Grey + QFloat™ Clear	6.38+12+6	39	7	12	37	7	<1	2.7	2.5	0.5	0.57	30.4
QLam™ Grey + QFloat™ Clear	8.38+12+6	39	7	12	36	7	<1	2.7	2.5	0.49	0.56	35.4
QLam™ Grey + EnergyTech™ Clear (#3)	6.38+12+6	36	8	14	31	8	<1	1.9	1.6	0.45	0.51	30.4
QLam™ Grey + EnergyTech™ Clear (#3)	8.38+12+6	36	8	14	30	8	<1	1.9	1.6	0.44	0.5	35.4
QLam™ Green + QFloat™ Clear	6.38+12+6	62	11	14	48	9	<1	2.7	2.5	0.59	0.68	30.4
QLam™ Green + QFloat™ Clear	8.38+12+6	62	11	14	48	9	<1	2.7	2.5	0.59	0.67	35.4
QLam™ Green + EnergyTech™ Clear (#3)	6.38+12+6	58	13	15	41	11	<1	1.9	1.6	0.55	0.63	30.4
QLam™ Green + EnergyTech™ Clear (#3)	8.38+12+6	58	13	15	40	10	<1	1.9	1.6	0.54	0.62	35.4
QLam™ Bronze + QFloat™ Clear	6.38+12+6	46	8	13	39	8	<1	2.7	2.5	0.51	0.59	30.4
QLam™ Bronze + QFloat™ Clear	8.38+12+6	45	8	13	38	7	<1	2.7	2.5	0.51	0.58	35.4
QLam™ Bronze + EnergyTech™ Clear (#3)	6.38+12+6	42	9	15	33	9	<1	1.9	1.6	0.46	0.53	0.34
QLam™ Bronze + EnergyTech™ Clear (#3)	8.38+12+6	42	9	15	33	9	<1	1.9	1.6	0.46	0.52	35.4
QLam™ Cool Blue + QFloat™ Clear	6.38+12+6	68	12	14	53	10	<1	2.7	2.5	0.63	0.73	30.4
QLam™ Cool Blue + EnergyTech™ Clear (#3)	6.38+12+6	63	14	16	45	12	<1	1.9	1.6	0.59	0.8	30.4

Considerations

Standards

Glass selection, glazing and manufacturing must be in accordance with Australian and New Zealand standards.

Glass

Interlayer colours are based on but are not identical to 6mm QFloat Glass Tones.

Glazing

Glazing system must allow for water drainage or be completely watertight.

Sealant

Certain sealants may cause edge de-lamination such as linseed oil putty- neutral cure silicone sealants are recommended.

Glass Processing

Further processing is required for frameless glazing.

Application

Overhead glazing, residential and commercial buildings where safety glass is required.

Installation

Laminated glass edges left exposed are not recommended. Exposed edges to be protected from moisture ingress.

How to Specify

Available colours and thicknesses:

Clear	6.38, 6.76, 8.38, 10.38, 10.76, 12.38 & 12.76mm
SuperClear	10.38 & 12.38mm
Grey	6.38, 8.38, 10.38 & 12.38mm
Green	6.38, 8.38, 10.38 & 12.38mm
Bronze	6.38, 8.38, 10.38 & 12.38mm
Cool Blue	6.38 & 12.38mm
SuperGreen	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

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.