QFloat™

QFloat™ is the name given to our base glass products that are manufactured using the float glass process. QFloat™ is manufactured in either clear or toned and is ideal for further processing into a range of glazing products such as laminates, toughened glass, coated glass and IGUs.

Features

Range of Tones
Colour options are available within the QFloat™ range.

Achieve a Consistent Look
The colour of QFloat™ will never fade or alter over time. The consistency of our manufacturing and testing processes ensure you can count on the reliable colour and quality of our glass to last well into the future.

Enjoy Peace of Mind
QFloat™ is crafted using the float process which creates glass of extraordinary quality with a consistently flat surface, so you can relax knowing you're working with a high quality product.

Illuminate Your Space
The QFloat™ range offers consistently high clarity and low distortion, with your choice of colour and solar heat reduction. This means you get to bask in natural light and enjoy the view.

Product Range

Clear	
Available Thickness (mm)	3, 4, 5, 6, 8, 10, 12, 15, 19
Maximum Sheet Size (mm)	4600×2760 (3mm), 5100×3210 (4-19mm)

SuperClear	
Available Thickness (mm)	4, 5, 6, 10, 12, 15, 19
Maximum Sheet Size (mm)	3660×2440 (4 & 5mm), 5100×3210 (6-12mm), 5100×3300 (15 & 19mm)

Light Grey

Available Thickness (mm)	6
Maximum Sheet Size (mm)	5100×3210

Grey

Available Thickness (mm)	4, 5, 6, 8, 10, 12
Maximum Sheet Size (mm)	5100×3210

Bronze

Available Thickness (mm)	5, 6, 10
Maximum Sheet Size (mm)	3210×2550 (5mm), 5100×3210 (6 & 10mm)

Green

Available Thickness (mm)	5, 6, 10
Maximum Sheet Size (mm)	3660×2440 (5 & 6mm), 5100×3210 (10mm)

SuperGreen

Available Thickness (mm)	6
Maximum Sheet Size (mm)	5180×3302

SuperBlue

Available Thickness (mm)	6, 10
Maximum Sheet Size (mm)	5100×3210 (6mm), 3302×2438 (10mm)

SuperGrey

Available Thickness (mm)	6
Maximum Sheet Size (mm)	5100×3210

Applications

Internal

Doors, Balustrades, Shop Front, Frameless Glazing, Shower Screens, 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 m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.					
QFloat™ Clear	3	89	8	8	83	8	69	5.9	0.86	0.98	7.5
QFloat™ Clear	4	90	9	8	85	9	73	5.9	0.87	1	10
QFloat™ Clear	5	89	8	8	79	7	63	5.8	0.83	0.95	12.5
QFloat™ Clear	6	88	8	8	78	7	60	5.8	0.82	0.95	15
QFloat™ Clear	8	86	8	8	71	7	56	5.7	0.78	0.89	20
QFloat™ Clear	10	85	8	8	67	7	52	5.7	0.75	0.87	25
QFloat™ Clear	12	83	8	8	64	6	48	5.6	0.73	0.84	30
QFloat™ SuperClear	4	91	9	9	90	8	78	5.9	0.9	1.04	10
QFloat™ SuperClear	5	91	9	9	89	8	72	5.9	0.9	1.03	12.5
QFloat™ SuperClear	6	91	9	9	88	8	74	5.8	0.89	1.03	15
QFloat™ SuperClear	10	90	9	9	86	8	66	5.7	0.88	1.01	25
QFloat™ Light Grey	6	61	6	7	54	6	31	5.8	0.66	0.76	15
QFloat™ Grey	4	56	6	6	55	6	29	5.9	0.67	0.77	10
QFloat™ Grey	5	47	6	5	47	5	23	5.8	0.62	0.71	12.5
QFloat™ Grey	6	42	5	5	42	5	19	5.8	0.58	0.67	15
QFloat™ Grey	8	32	5	5	33	5	13	5.7	0.53	0.61	20
QFloat™ Grey	10	25	5	5	26	4	9	5.7	0.48	0.55	25
QFloat™ Grey	12	19	4	5	21	4	7	5.6	0.45	0.52	30
QFloat™ Bronze	5	56	6	6	56	6	25	2.8	0.68	0.78	12.5
QFloat™ Bronze	6	51	5	5	51	5	20	5.8	0.65	0.74	15
QFloat™ Bronze	10	34	5	5	35	5	9	5.7	0.54	0.62	25
QFloat™ Green	5	77	7	7	47	6	20	5.8	0.62	0.71	12.5
QFloat™ Green	6	75	7	7	44	6	26	5.8	0.59	0.68	15
QFloat™ Green	10	66	7	6	31	5	15	5.7	0.52	0.59	25
QFloat™ SuperGreen	6	67	6	6	34	5	13	5.8	0.53	0.61	15
QFloat™ SuperBlue	6	53	6	6	33	5	20	5.8	0.52	0.6	15
QFloat™ SuperBlue	10	41	5	5	21	5	13	5.7	0.45	0.52	25
QFloat™ SuperGrey	6	9	4	4	8	4	1	5.8	0.36	0.41	15

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			
QFloat™ Clear + QFloat™ Clear	3+12+3	81	15	15	69	13	53	2.7	2.6	0.76	0.87	15
QFloat™ Clear + QFloat™ Clear	4+12+4	82	16	16	73	15	58	2.7	2.6	0.77	0.89	20
QFloat™ Clear + QFloat™ Clear	5+12+5	79	15	15	63	12	47	2.7	2.6	0.72	0.83	25
QFloat™ Clear + QFloat™ Clear	6+12+6	78	15	15	62	12	44	2.7	2.6	0.71	0.82	30
QFloat™ Clear + EnergyTech™ Clear (#3)	4+12+4	75	18	17	59	18	44	1.9	1.7	0.73	0.83	20
QFloat™ Clear + EnergyTech™ Clear (#3)	5+12+4	74	17	17	55	15	40	1.9	1.7	0.68	0.78	22.5
QFloat™ Clear + EnergyTech™ Clear (#3)	6+12+6	73	17	16	52	15	52	1.9	1.6	0.67	0.77	30
QFloat™ SuperClear + QFloat™ SuperClear	6+12+6	83	16	16	79	15	61	2.7	2.6	0.81	0.93	30
QFloat™ Light Grey + QFloat™ Clear	6+12+6	54	9	13	43	8	25	2.7	2.5	0.54	0.62	30
QFloat™ Light Grey + EnergyTech™ Clear (#3)	6+12+6	50	11	15	36	9	20	1.9	1.6	0.49	0.56	30
QFloat™ Grey + QFloat™ Clear	4+12+4	50	9	14	47	8	25	2.7	2.6	0.55	0.64	20
QFloat™ Grey + QFloat™ Clear	5+12+5	42	7	12	38	7	19	2.7	2.6	0.49	0.57	25
QFloat™ Grey + QFloat™ Clear	6+12+6	37	7	12	33	7	15	2.7	2.6	0.45	0.52	30
QFloat™ Grey + EnergyTech™ Clear (#3)	4+12+4	46	9	15	38	10	20	1.9	1.7	0.5	0.57	20
QFloat™ Grey + EnergyTech™ Clear (#3)	5+12+4	39	8	14	32	9	16	1.9	1.7	0.44	0.51	22.5
QFloat™ Grey + EnergyTech™ Clear (#3)	6+12+6	34	7	14	27	8	12	1.9	1.6	0.4	0.46	30
QFloat™ Green + QFloat™ Clear	6+12+6	66	12	14	36	8	21	2.7	2.5	0.47	0.54	30
QFloat™ Green + EnergyTech™ Clear (#3)	6+12+6	61	14	16	31	9	17	1.9	1.6	0.42	0.48	30
QFloat™ Bronze + QFloat™ Clear	6+12+6	45	8	12	40	7	16	2.7	2.6	0.52	0.6	30
QFloat™ Bronze + EnergyTech™ Clear (#3)	6+12+6	41	8	14	33	9	13	1.9	1.6	0.47	0.54	30
QFloat™ SuperGreen + QFloat™ Clear	6+12+6	59	10	13	28	6	10	2.7	2.6	0.4	0.46	30
QFloat™ SuperGreen + EnergyTech™ Clear (#3)	6+12+6	55	12	15	24	7	8	1.9	1.6	0.34	0.4	30

Product Name	Nominal Thickness	Visible			Solar		UV Trans.	U-Value		SHGC	Shading Co.	Weight m²
		Trans.	Refl. Out	Refl. In	Trans.	Refl.		Air	Argon			
QFloat™ SuperGrey + QFloat™ Clear	6+12+6	8	4	11	6	4	1	2.7	2.6	0.21	0.24	30
QFloat™ SuperGrey + EnergyTech™ Clear (#3)	6+12+6	7	4	13	5	4	1	1.9	1.6	0.15	0.17	30
QFloat™ SuperBlue + QFloat™ Clear	6+12+6	47	8	13	27	6	16	2.7	2.5	0.39	0.45	30
QFloat™ SuperBlue + EnergyTech™ Clear (#3)	6+12+6	43	9	15	23	7	13	1.9	1.6	0.34	0.39	30

Considerations

Glass
19mm clear float glass absorbs proportion of solar radiation and may require thermal assessment depending on application. Toned float glass absorbs a proportion of solar radiation and may require thermal assessment depending on application. SuperClear is optically clearer than standard float glass due to its low iron content.

Thermal Stress and Fracture Risk
Some products recommended for thermal stress fracture risk assessment.

How to Specify

Available colours and thicknesses:

Clear	3, 4, 5, 6, 8, 10, 12, 15 & 19mm
SuperClear	4, 5, 6, 10, 12, 15 & 19mm
Light Grey	6mm
Grey	4, 5, 6, 8, 10 & 12mm
Bronze	5, 6 & 10mm
Green	5, 6 & 10mm
SuperGreen	6mm
SuperBlue	6 & 10mm
SuperGrey	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

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.