Planibel G

Ideal solution for NCC 2022 compliance

The versatile Low-E glass that brings solutions to your customer and project requirements.

Planibel G Low-E coated glass offers high light transmission and low-emissivity, combined with outstanding value to meet the most demanding of single glazing projects. It's thermal insulation properties keep comfortable temperatures within residential and commercial buildings while allowing high levels of natural light.

Available in a range of thicknesses, its durability and highly resistant surface make it suitable for a wide range of applications, reducing likelihood of damage during installation and reducing risk of surface deterioration in-service.

Consumer awareness of the importance of glass and window performance is seeing an ongoing Australia-wide shift to higher performance solutions. The impact of changes to the National Construction Code (NCC) in WA has brought unique challenges for builders and window manufacturers alike, with future Perth metro area approvals now also requiring (in most cases), a low-e solution. Planibel G offers a simple and trusted solution for meeting Perth Metro NCC 2022 code requirements or can be utilised to provide an effective low-e up-sell to value focused customers.

Backed by trusted global producer AGC, Planibel G is a well-established product, offering consistency of shade, tone, quality, performance and supply chain – ensuring you have confidence in availability for new projects and replacement work, well into the future.

A great performer in single glazed applications, its clear and grey appearance also makes it a perfect option to combine with solar control in double glazed units, producing outstanding visual and performance results.

Benefits for window manufacturers and glaziers

- Meets many Perth Metro NCC 2022 requirements
- Consistent performance, tone and future supply
- Durable surface reduces chances of damage during install and project completion
- Withstands harsh environmental applications

Benefits for end consumers

- Low-e solution with high light transmission for clarity and attractive appearance
- Increases comfort and decreases energy consumption
- Entry level price point for single glazed performance glass solutions
- Resilient scratch resistant coating for long-term durability

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Product specifications

Product Name	Nominal Thickness mm	Visible Light Trans. %	Visible Light Refl. Out %	Solar Energy Trans. %	Solar Energy Refl. Out %	UV Trans. %	U Value Air	U Value Argon	SHGC	Shading Co.	RW
Planibel G Float											
Clear (#2)	4	82	11	69	10	73	3.8		0.73	0.84	31
	5	81	10	67	10	71	3.7		0.71	0.81	32
	6	81	10	65	10	70	3.7		0.70	0.80	32
	10	79	10	60	9	67	3.7		0.66	0.76	36
Grey (#2)	4	52	7	47	8	45	3.8		0.55	0.64	31
	6	41	6	37	7	35	3.7		0.48	0.55	32
Double Glazing Unit Planibel G #2											
Clear	4+12+4	75	16	59	14	64	2.0	1.7	0.65	0.75	31
	5+12+5	73	15	55	14	62	1.9	1.7	0.63	0.72	32
	6+12+6	73	15	53	13	61	1.9	1.7	0.62	0.71	33

Understanding this information

Coated surface position ie: (#2)	Where # appears next to a product name, i.e. (#2), this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building.
Nominal Thickness	Identifies the glass thickness. For double-glazed products, the first and last numbers is the thickness of each glass panel, and the middle number is the width of the gap in-between
Visible Light Transmission	The percentage of visible light that passes directly through the glass. The higher the percentage, the more daylight gets through.
Visible Light Reflection	The percentage of visible light reflected toward the exterior.
Solar Energy Transmission	The percentage of normal incident visible light and solar energy that passes directly through the glazing.
Solar Energy Reflection	The percentage of normal incident visible light and solar energy reflected toward the exterior.
UV Transmission	The percentage of UV light transmitted measured in the light range of wave lengths shorter than 380 nanometres. A lower number is better.
U Value	The measure of the rate of heat gain or loss through glazing caused by environmental differences between indoor and outdoor air. The lower the value the better the insulation.
SHGC – Solar Heat Gain Coefficient	The proportion of total solar radiation that is transferred through glass in normal circumstances. A lower number indicates a better performance.
Shading Coefficient	The ratio of solar heat gain through glass relative to that through 3mm clear glass. A lower number indicates a better performance.
RW – Weighted Sound Reduction Index	Used to measure the effectiveness of the glass as a noise insulator. Measured in decibels (db) the higher the RW value, the greater the reduction in noise.

The data is measured using glass only and all care should be taken when evaluating our published data that the same environmental conditions have been used.
For the most up-to-date information, please visit our website. All performance data is calculated using LBL Windows 7.4 software. NFRC 100-2001 conditions have been used.