



**YOUR CHOICE  
OF HIGH  
PERFORMANCE  
GLASS THAT  
MATCHES YOUR  
INSULATED GLASS  
REQUIREMENTS -**

**TINTS**

**LAMINATED**

**LOW E GLASS -**

Energy Advantage  
Planibel G  
EVantage  
EnergyTech  
SolTech  
Sunergy

# DID YOU KNOW?

In an average home, 40% of heat loss and 87% of heat gain is through glazing\*.

\*yourhome.gov.au 2016



Insulglass Select IGU provides a choice of glass to select from a wide range of high performance glass to suit specific requirements and applications that will deliver significant design benefits.

## Insulglass Select Performance Data

Description	Colour	Nominal Thickness (mm)	Visible Light		Solar		UV Trans	U Value		Shading Co.	SHGC	
			Trans	Reflect	Trans	Reflect		Air	Argon			
<b>Tints</b>												
Body Tinted Window glass products are produced by small additions of metal oxides to the float or rolled glass composition. These small additions colour the glass bronze, green, blue or grey but does not affect the basic properties of the glass except for changes in the solar energy transmission. The colour is homogeneous throughout the thickness of the glass.	Grey	4 + 12 + 4	50%	8%	46%	8%	24%	2.7	2.60	0.64	0.55	
		5 + 12 + 5	42%	7%	38%	7%	19%	2.7	2.50	0.57	0.49	
		6 + 12 + 6	37%	7%	33%	7%	15%	2.7	2.50	0.52	0.45	
		10 + 12 + 6	24%	5%	24%	5%	9%	2.7	2.50	0.44	0.38	
	Green	4 + 12 + 4	73%	13%	49%	9%	30%	2.7	2.50	0.66	0.57	
		5 + 12 + 5	70%	13%	42%	9%	25%	2.7	2.50	0.60	0.52	
		6 + 12 + 6	68%	12%	39%	8%	21%	2.7	2.50	0.57	0.50	
	Bronze	10 + 12 + 6	56%	9%	24%	6%	9%	2.6	2.50	0.43	0.37	
		4 + 12 + 4	55%	10%	50%	9%	23%	2.7	2.50	0.68	0.59	
		5 + 12 + 5	48%	8%	41%	7%	18%	2.7	2.50	0.61	0.52	
		6 + 12 + 6	43%	8%	38%	7%	15%	2.7	2.50	0.57	0.50	
	10 + 12 + 6	30%	6%	28%	6%	7%	2.6	2.50	0.48	0.41		
<b>Laminates</b>												
Laminates are multiple layers of glass and rigid interlayers depending on the resistance and performance required for its application.	Clear	6.38 + 12 + 6	78%	15%	58%	12%	< 1	2.70	2.50	0.77	0.67	
	Grey	6.38 + 12 + 6	37%	7%	37%	7%	< 1	2.70	2.50	0.56	0.49	
	Bronze	6.38 + 12 + 6	46%	8%	40%	8%	< 1	2.70	2.50	0.60	0.52	
	Green	6.38 + 12 + 6	63%	11%	50%	9%	< 1	2.70	2.50	0.70	0.60	
	Translucent	6.38 + 12 + 6	58%	10%	44%	8%	< 1	2.70	2.50	0.64	0.55	
<b>LOW E</b>												
<b>Energy Advantage™</b>												
Energy Advantage is one of the clearest choices for a high passive solar heat gain coefficient, high visible light transmittance and brilliant clarity.	Clear & Energy Advantage (#2)	4 + 12 + 4	76%	17%	61%	16%	45%	1.90	1.63	0.76	0.66	
	Clear & Energy Advantage (#2)	6 + 12 + 6	75%	16%	55%	14%	39%	1.88	1.62	0.72	0.63	
<b>Planibel G™</b>												
Utilising a Low E, pyrolytic (hard coat) coating for high light transmission and greater insulation, Planibel G provides a barrier to heat transfer in summer, and in winter reflects warmth back inside.	Clear & Planibel G (#3)	4 + 12 + 4	74%	16%	57%	14%	41%	1.90	1.70	0.74	0.64	
	Clear & Planibel G (#3)	5 + 12 + 5	73%	16%	53%	14%	44%	1.90	1.60	0.72	0.62	
	Clear & Planibel G (#3)	6 + 12 + 6	72%	15%	52%	13%	35%	1.90	1.60	0.70	0.61	
<b>EVantage™</b>												
If high visible light reflectivity is desired then the EVantage pyrolytic Low E products offers a range of choices.	Clear & EVantage (#2)	6 + 12 + 6	61%	27%	47%	20%	23%	2.00	1.70	0.64	0.56	
	Clear & EVantage Grey (#2)	6 + 12 + 6	29%	10%	24%	9%	8%	2.00	1.70	0.39	0.33	
	Clear & EVantage Blue Green (#2)	6 + 12 + 6	51%	21%	29%	12%	13%	2.00	1.70	0.44	0.38	
<b>EnergyTech™</b>												
EnergyTech and SolTech offers improved thermal insulation and a choice of solar control performance with low visible light reflection.	Clear & EnergyTech (#2)	4 + 12 + 4	75%	17%	57%	15%	41%	1.90	1.60	0.74	0.64	
		6 + 12 + 6	73%	16%	52%	14%	36%	1.90	1.60	0.71	0.61	
		10 + 12 + 6	71%	16%	48%	12%	32%	1.90	1.60	0.66	0.58	
	Clear & EnergyTech Grey (#2)	4 + 12 + 4	45%	9%	38%	9%	18%	1.90	1.60	0.53	0.46	
		6 + 12 + 6	35%	8%	29%	8%	13%	1.90	1.70	0.45	0.39	
	Clear & EnergyTech Green (#2)	4 + 12 + 4	68%	15%	41%	10%	25%	1.90	1.70	0.56	0.49	
		6 + 12 + 6	63%	13%	33%	9%	19%	1.90	1.60	0.48	0.41	
	<b>SolTech™</b>											
	Clear & SolTech Neutral (#2)	4 + 12 + 4	55%	12%	38%	10%	34%	1.90	1.60	0.53	0.46	
		6 + 12 + 6	27%	6%	19%	6%	10%	1.90	1.60	0.33	0.28	
	<b>Sunergy™</b>											
	Applauded for its superb appearance and visual comfort, Sunergy combines very low light reflection guaranteeing good comfort levels by combining low E performance (low U value) and high solar control properties (low solar factor).	Clear & Sunergy (#2)	4 + 12 + 4	62%	17%	45%	15%	38%	2.10	1.90	0.77	0.67
6 + 12 + 6			60%	16%	41%	14%	34%	2.10	1.90	0.74	0.64	

All performance data is determined – using LBL Windows 6.3 software, NFRC 100-2001 conditions have been used. Where # appears, ie (#3 or #2) in product name, this identifies the position of the coated surface of the glass. Glass surfaces are counted from the exterior to the interior of the building.

The first number is the outer glass thickness, +12 Air is the width of the airspace, then the thickness of the inner panel of the unit. Thickness tolerances are: 3-6mm (±0.2mm); 8-12mm (±0.3mm); 15mm (±0.5mm); 19mm (±1.0mm).

Recommendations are based on performance data. Please consult with your builder, architect or consultant before deciding on any Australian Glass Group product for your requirements.

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Our commitment to quality is underpinned by accreditation to both AS/ NZ 4666 (IGU) and AS/ NZ 2208 Safety Glazing Materials In Buildings.

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