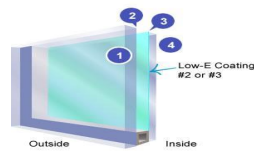


Insulglass Select IGU provides a choice of glass to select from a wide range of high performance glass to suit specific requirements and applications that will deliver significant design benefits.

Energy Advantage Clear, which has the lowest solar control (highest SHGC), is designed to assist with passive solar heating by enabling the sun's warmth to enter a building, capturing it inside and then reducing heat loss. In contrast SolTech Grey which has a low SHGC is designed to reduce solar gain by providing the highest solar control of the range. The range of products whilst providing improved insulation and a choice of solar control, continue to offer good daylight transmission to encourage natural lighting of buildings.



Tints	Nominal Thickness (mm)	Visible Light		Solar		UV Trans	U Value		Shading Co.	SHGC	Interpretation Based on SHGC, Visible Light Transmission & U-Values	Where can this glass be used?
		Trans	Reflect Out	Trans	Reflect		Air	Argon				
Grey	4 + 12 + 4	50%	8%	46%	8%	24%	2.7	2.60	0.64	0.55	Stops additional light and natural energy coming into the room.	Where there is maximum sun facing windows. Summer product.
	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		
	12 + 12 + 6	19%	5%	20%	5%	7%	2.6	2.50	0.40	0.34		
Green	4 + 12 + 4	73%	13%	49%	9%	30%	2.7	2.50	0.66	0.57	Lets in a lot of natural light in the room.	Mild weather, however with poor insulation values one will not be able to retain the natural heat that comes with the sun light.
	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	4 + 12 + 4	56%	9%	24%	6%	9%	2.6	2.50	0.43	0.37	Stops additional light and natural energy coming into the room.	Where there is maximum sun facing windows. Summer product.
	5 + 12 + 5	55%	10%	50%	9%	23%	2.7	2.50	0.68	0.59		
	6 + 12 + 6	48%	8%	41%	7%	18%	2.7	2.50	0.61	0.52		
	10 + 12 + 6	30%	6%	28%	6%	7%	2.6	2.50	0.48	0.41		
Coated Products												
Energy Advantage™												
Clear & Energy Advantage (#2)	4 + 12 + 4	76%	17%	61%	16%	45%	1.90	1.63	0.76	0.66	Lets in a lot of natural light in along with natural heat whilst maintaining internal comfort levels in winter.	Ideal cold weather glass or when there is minimum sun facing windows wherein one can use most of the sun energy to keep the inside of your home to keep it warm. Winter product.
Clear & Energy Advantage (#2)	6 + 12 + 6	75%	16%	55%	14%	39%	1.88	1.62	0.72	0.63		
Planibel G™												
Clear & Planibel G (#3)	4 + 12 + 4	74%	16%	57%	14%	41%	1.90	1.70	0.74	0.64	Lets in a lot of natural light in along with natural heat whilst maintaining internal comfort levels in winter.	Ideal cold weather glass or when there is minimum sun facing windows wherein one can use most of the sun energy to keep the inside of your home to keep it warm. Winter product.
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		
EVantage™												
Clear & EVantage (#2)	6 + 12 + 6	61%	27%	47%	20%	23%	2.00	1.70	0.64	0.56	Lets in natural light in along with a little of natural heat in whilst maintaining internal comfort levels in winter.	Ideal cold weather glass or when there is minimum sun facing windows wherein one can use most of the sun energy to keep the inside of your home to keep it warm. Winter product.
Clear & EVantage Grey (#2)	6 + 12 + 6	29%	10%	24%	9%	8%	2.00	1.70	0.39	0.33	Stops additional light coming into the room whilst maintaining internal comfort levels in summer by keeping external natural heat outside.	
Clear & EVantage Blue Green (#2)	6 + 12 + 6	51%	21%	29%	12%	13%	2.00	1.70	0.44	0.38	Lets natural light in whilst maintaining internal comfort levels in summer by keeping external natural heat outside.	Where there is maximum sun facing windows. Summer product.
EnergyTech™												
Clear & EnergyTech (#2)	4 + 12 + 4	75%	17%	57%	15%	41%	1.90	1.60	0.74	0.64	Lets a lot of natural light in along with natural heat whilst maintaining internal comfort levels in winter.	Very good cold weather glass or when there is minimum sun facing windows wherein one can use most of the sun energy to keep the inside of your home to keep it warm. Winter product.
	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	Comparatively lets less light in whilst maintaining internal comfort levels in summer by keeping some external natural	Mild weather or when there is mediocre sun facing windows.
	6 + 12 + 6	35%	8%	29%	8%	13%	1.90	1.70	0.45	0.39	Where there is maximum sun facing windows. Summer product.	
Clear & EnergyTech Green (#2)	4 + 12 + 4	68%	15%	41%	10%	25%	1.90	1.70	0.56	0.49	Lets good light in whilst maintaining internal comfort levels in summer by keeping external natural heat outside.	Mild weather or when there is mediocre sun facing windows.
	6 + 12 + 6	63%	13%	33%	9%	19%	1.90	1.60	0.48	0.41		
Soltech™												
Clear & SolTech Neutral (#2)	4 + 12 + 4	55%	12%	38%	10%	34%	1.90	1.60	0.53	0.46	Lets some light in whilst maintaining internal comfort levels in summer by keeping some external natural heat outside.	Mild weather or when there is mediocre sun facing windows.
Clear & SolTech Grey (#2)	6 + 12 + 6	27%	6%	19%	6%	10%	1.90	1.60	0.33	0.28	Comparatively lets less light in whilst maintaining internal comfort levels in summer by keeping external natural heat outside.	Where there is maximum sun facing windows. Summer product.

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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