Australian Glass Group

Your double glazing solution for year round comfort

Insulglass®

An Australian Glass Group Product

On an average home, 49% of heat loss and 87% of heat gain is through the glazing.

Comfort at home depends on effective window insulation as well as ceiling and wall treatments. As part of an overall program of envirosmart building materials, energy efficient windows minimise the need for artificial heating and cooling. Overall energy consumption decreases along with the costs associated with artificial climate control. The use of Insulglass units reduce heat transfer through the window by over 50%.

Add products such as Low E, tints and argon gas in place of air and the performance of Insulglass units improve significantly. A unit with tinted glass reduces heat gain by up to 50% and a Low E glass improves heat loss by up to 70%.

Insulglass units are an excellent choice for window insulation and provide home owners and builders a cost effective way to achieve superior energy ratings.

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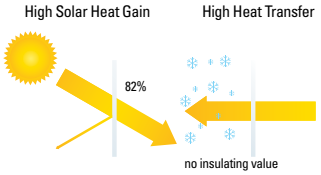
Insulglass options can be customised to meet your requirements. For additional combinations and further information, please refer to our website.

Insulglass Performance Data

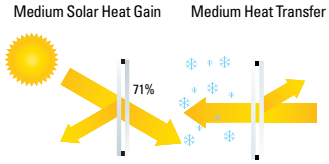
	Airspace	Glass	Visible Light		Solar		U Value	SC	SHGC	UV Trans
			Trans	Reflect	Trans	Reflect				
4 mm Clear	12	4 mm Clear	80%	15%	69%	13%	2.73	0.86	0.75	51%
4 mm Clear	12	4mm Low E	76%	17%	61%	16%	1.91	0.82	0.71	47%
6 mm Clear	12	6mm Clear	78%	15%	62%	12%	2.70	0.82	0.71	44%
6 mm Clear	12	6mm Low E	73%	17%	53%	15%	1.89	0.77	0.67	36%
4 mm Grey	12	4 mm Clear	50%	9%	46%	8%	2.73	0.64	0.55	24%
4 mm Grey	12	4mm Low E	47%	9%	40%	10%	1.91	0.58	0.50	22%
6 mm Grey	12	6mm Clear	37%	7%	35%	7%	2.72	0.53	0.46	16%
6 mm Grey	12	6mm Low E	34%	7%	28%	8%	1.89	0.47	0.40	12%
4 mm Green	12	4 mm Clear	73%	13%	49%	9%	2.73	0.66	0.57	30%
4 mm Green	12	4mm Low E	69%	15%	43%	11%	1.91	0.61	0.53	27%
6 mm Green	12	6 mm Clear	68%	12%	39%	8%	2.70	0.57	0.50	21%
6 mm Green	12	6mm Low E	63%	14%	33%	9%	1.89	0.52	0.45	17%
6mm SuperGreen	12	6 mm Clear	59%	10%	28%	6%	2.70	0.47	0.40	10%
6mm SuperGreen	12	6mm Low E	55%	11%	25%	7%	1.89	0.41	0.35	8%
6mm SuperGrey	12	6 mm Clear	8%	4%	6%	4%	2.70	0.25	0.21	1%
6mm SuperGrey	12	6mm Low E	7%	4%	5%	4%	1.89	0.18	0.16	<1%
6mm SuperBlue	12	6 mm Clear	50%	9%	29%	6%	2.70	0.48	0.41	19%
6mm SuperBlue	12	6mm Low E	46%	9%	25%	7%	1.89	0.42	0.36	15%

How does it work?

Standard Glazing

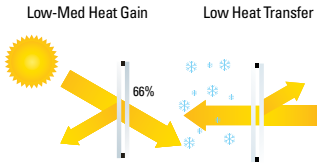


Standard Double Glazing



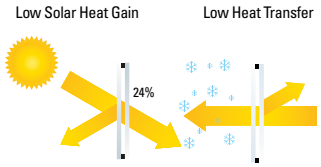
6mm Clear Float / 12mm Airspace /
6mm Clear Float SHGC 0.71 U Value 2.70

Low E Double Glazing



6mm Clear Float / 12mm Airspace /
6mm Low E SHGC 0.66 U Value 1.75

Tinted Low E Double Glazing



6mm Optigray / 12mm Argon Filled Airspace /
6mm Low E SHGC 0.24 U Value 1.75

Please note: Information provided is "centre of glass" not "whole window" data. Performance data is calculated using LBL Window 5.2 software, NFRC 100-2001 conditions have been used. While every effort has been made to ensure accuracy of information, the Australian Glass Group disclaims any liability for loss or damage arising from the use of such data, nor accepts responsibility for errors or omissions. The above performance data has been calculated using EnergyTech as the Low E component.

For information or assistance incorporating Australian Glass Group products into current projects, visit our website.

australianglassgroup.com.au