

PERFORMANCE DATA

Low-E Single Glazing

Walshs Glass provides a complete range of energy efficient performance glass products for all types of Residential & Commercial applications. Choosing the right 'performance glazing' can control how much heat escapes or enters the building and also manage noise levels.

Glass has the advantage of being able to provide natural light and heat. Walshs Glass offer a large range of products that have been developed to improve comfort levels and energy efficiency.

With the increase in building regulations, the focus on energy efficiency and our carbon footprint, means high performance glass has become more important than ever before.



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PRODUCT NAME	NOMINAL THICKNESS	VISIBLE		SOLAR		UV TRANS	U VALUE	SHGC	SHADING CO.	RW
		Trans	Refl.	Trans	Refl.					
Sunergy Float										
Neutral (#2)	4	69	9	54	10	49	4.2	0.7	0.61	31
	6	68	9	52	10	46	4.1	0.69	0.59	32
	10	66	8	48	9	40	4.1	0.66	0.57	36
Grey (#2)	6	33	5	29	6	13	4.1	0.49	0.43	32
Viridian EnergyTech										
EnergyTech Clear (#2)	4	83	11	68	11	54	3.7	0.72	0.83	31
	6	81	11	65	10	48	3.6	0.69	0.80	32
	10	79	11	60	9	43	3.6	0.65	0.76	36
EnergyTech Grey (#2)	4	50	7	45	7	21	3.7	0.53	0.62	31
	6	40	6	37	7	16	3.7	0.47	0.55	32
Viridian SolTech										
Soltech Neutral #2	4	61	8	46	8	44	3.7	0.53	0.62	31
	6	63	9	45	8	41	3.7	0.53	0.62	32
	10	62	8	43	8	39	3.6	0.53		36
SolTech Grey #2	6	30	5	23	6	13	3.7	0.36	0.42	32
Viridian Evantage										
Evantage Clear (#2)	6	68	23	59	17	30	3.8	0.63	0.73	32
Evantage Grey (#2)	6	32	10	29	8	10	3.8	0.42	0.48	32
Evantage Bronze (#2)	6	38	11	35	10	11	3.8	0.46	0.53	32
Evantage SuperBlue (#2)	6	39	12	23	8	10	3.8	0.37	0.43	32
Evantage SuperGreen (#2)	6	49	16	24	9	8	3.8	0.38	0.43	32
Viridian ComfortPlus										
Neutral 59 (#4)	6.38	59	7	42	7	<1	3.6	0.51	0.60	33
	10.38	62	8	40	7	<1	3.6	0.49	0.58	36
	12.38	61	8	39	7	<1	3.5	0.49	0.57	37
Grey 40 (#4)	6.38	39	6	40	7	<1	3.6	0.50	0.58	33
	10.38	38	6	36	6	<1	3.6	0.47	0.54	36
	12.38	38	6	34	6	<1	3.5	0.45	0.53	37
Clear 82 (#4)	6.38	82	10	64	9	<1	3.6	0.68	0.79	33
	10.38	79	11	58	9	<1	3.6	0.64	0.74	36
	12.38	79	10	55	8	<1	3.5	0.62	0.72	37
Translucent (#4)	6.38	62	8	48	7	<1	3.6	0.56	0.65	33
	10.38	60	8	44	7	<1	3.6	0.53	0.62	36

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Technical Information

This 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 5.2 software. NFRC 100-2001 conditions have been used. Product Name – Where # appears, 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.

Understanding These Charts

Product Name	For more information on individual products ask your Walshs Glass Sales Consultant.
Nominal Thickness	Identifies the glass thickness.
Visible Light Transmission	The percentage of visible light that passes directly through the glass. The higher the percent-age, the more daylight gets through.
Visible Light Reflection	The percentage of visible light reflected toward the exterior.
Solar Transmission	The percentage of normal incident visible light and solar energy that passes directly through the glazing.
Solar 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 differ-ences between indoor and outdoor air. The lower the value the better the insulation.
Shading Coefficient	The ratio of solar heat gain through glass relative to that through 3mm clear glass. A lower number indicates a better performance.
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.