

PERFORMANCE DATA

TwinSeal™ Performance

Manufactured inhouse using a hard coat Low E glass, Walshs TwinSeal Performance Double Glazing Units (DGUs) can be partnered with a broad range of glass types to enable you to choose a balance that best suits your performance requirements.

Walshs TwinSeal Performance DGUs can provide significant benefits to a building including improved acoustic performance, safety, comfort, and a noticeable reduction in energy costs. With the increase in building regulations, the focus on energy efficiency and our carbon footprint means high performance DGUs have become more important than ever before – making Walshs TwinSeal Performance the ideal choice when considering performance glass for your next project.



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PRODUCT NAME	NOMINAL THICKNESS	VISIBLE		SOLAR		UV TRANS	U VALUE		SHGC	SHADING CO.	RW
		Trans	Refl.	Trans	Refl.		Air	Argon			
Sunergy Float											
Clear (#2)	4+12+6	61	12	44	12	39	2.1	1.9	0.61	0.53	31
	6+12+6	60	12	41	11	34	2.1	1.8	0.50	0.59	33
	10+12+6	55	12	40	11	33	2.1	1.9	0.56	0.49	38
Grey (#2)	6+12+6	30	-	-	-	-	-	1.8	0.32	-	33
Viridian EnergyTech											
EnergyTech Clear (#2)	4+12+4	75	17	57	15	41	1.9	1.6	0.64	0.74	31
	6+12+6	73	16	52	14	36	1.9	1.6	0.62	0.71	33
	8+12+6	72	16	52	13	36	1.9	1.6	0.62		35
	10+12+6	71	16	48	12	32	1.9	1.6	0.58	0.66	38
EnergyTech Grey(#2)	4+12+4	45	9	38	9	18	1.9	1.6	0.46	0.53	31
	6+12+6	35	8	29	8	13	1.9	1.6	0.39	0.45	33
Viridian SolTech											
SolTech Neutral (#2)	4+12+4	55	12	38	10	34	1.9	1.6	0.46	0.53	31
	6+12+6	56	12	36	10	30	1.9	1.6	0.45	0.52	33
	10+12+6	55	11	35	10	29	1.9	1.6	0.44		38
SolTech Grey (#2)	6+12+6	27	6	19	6	10	1.9	1.6	0.28	0.33	33
Viridian Eantage											
Clear (#2)	6+12+6	61	27	47	20	23	2.0	1.7	0.56	0.64	33
Grey (#2)	6+12+6	29	10	24	9	8	2.0	1.7	0.33	0.39	33
Supergreen (#2)	6+12+6	44	18	21	9	7	2.0	1.7	0.29	0.34	33
Superblue (#2)	6+12+6	35	13	19	9	8	1.9	1.7	0.28	0.33	33
Bronze(#2)	6+12+6	32	13	24	11	7	2.0	1.5	0.35	0.44	33
Viridian ComfortPlus											
Clear 82 (#2)	6.38+12+6	73	16	51	12	<1	1.9	1.6	0.60	0.69	34
	8.38+12+6	72	16	49	12	<1	1.9	1.6	0.58	0.67	37
	10.38+12+6	71	16	47	11	<1	1.8	1.6	0.56	0.64	39
	12.38+12+6	70	16	45	11	<1	1.8	1.6	0.54	0.62	39
Neutral 59 (#2)	8.38+12+6	52	9	33	8	<1	1.9	1.6	0.43	0.50	37
	10.38+12+6	51	10	31	7	<1	N/A	1.6	0.41	0.47	39
Grey 37 (#2)	8.38+12+6	32	6	23	5	<1	1.9	1.6	0.33	0.38	37
Grey 40 (#2)	10.38+12+6	34	6	28	7	<1	N/A	1.6	0.38	0.44	39

PERFORMANCE DATA WITH E-TECH USED AS INNER PANE

Viridian EnergyTech											
EnergyTech Clear (#2)	4+12+4	69	19	51	16	34	1.8	1.5	0.61	0.71	31
	6+12+6	67	19	47	15	29	1.8	1.5	0.59	0.68	33
	10+12+6	65	18	43	13	26	1.7	1.5	0.55	0.63	38
Viridian SolTech											
SolTech Neutral (#2)	4+12+4	51	13	34	11	28	1.8	1.5	0.44	0.51	31
	6+12+6	52	13	32	11	24	1.7	1.5	0.43	0.50	33
	10+12+6	51	13	31	10	23	N/A	1.5	0.42		38
SolTech Grey (#2)	6+12+6	25	6	17	7	8	1.8	1.5	0.27	0.31	33
Viridian Eantage											
Clear (#2)	6+12+6	57	29	41	21	19	N/A	1.5	0.54		33
Grey (#2)	6+12+6	27	11	20	9	7	N/A	1.5	0.31		33
Supergreen (#2)	6+12+6	41	19	18	10	5	N/A	1.5	0.27		33
Superblue (#2)	6+12+6	33	14	17	9	7	N/A	1.5	0.26		33
Bronze(#2)	6+12+6	34	13	28	11	9	N/A	1.7	0.37		33
Viridian ComfortPlus											
Clear 82 (#2)	6.38+12+6	67	18	43	13	<1	1.7	1.5	0.55	0.64	34
	8.38+12+6	67	18	43	13	<1	1.7	1.5	0.55	0.67	37
	10.38+12+6	66	18	42	13	<1	1.7	1.5	0.54	0.60	39
	12.38+12+6	65	18	40	12	<1	1.7	1.5	0.52	0.59	39
Neutral 59 (#2)	8.38+12+6	49	13	30	9	<1	1.7	1.5	0.40	0.46	37

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Technical Information

E-tech has been used as the inner panel.

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 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.

The first number is our glass thickness, +12 is the width of the gap, then the thickness of the inner panel of the unit.

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 differences 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.