

PERFORMANCE DATA

TwinSeal Performance Plus

Walshs TwinSeal Performance Plus DGU is a thermally insulating DGU product that meets the highest performance and quality standards, designed to exceed your expectations on transparency, thermal insulation and solar heat gain.

The introduction of strict energy efficiency legislation for commercial buildings across the country is helping Architects consider the use of High Performance Low E DGU's and the benefits of TwinSeal Performance Plus Double Glazing over traditional DGU glazing methods.



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PRODUCT NAME	NOMINAL THICKNESS	VISIBLE		SOLAR		UV TRANS	U VALUE	SHGC	RW
		Trans	Refl.	Trans	Refl.		Argon		
Walshs TwinSeal Performance Plus									
Clear (#3)	4+12+4	80	12	54	27	49	1.4	0.60	31
	5+12+5	80	12	52	25	46	1.4	0.58	32
	6+12+6	79	12	51	24	43	1.4	0.57	33
Grey (#3)	4+12+4	50	7	35	15	23	1.4	0.41	31
	5+12+5	43	7	30	13	18	1.4	0.36	32
	6+12+6	37	6	27	11	15	1.4	0.33	33
Acid Etch (#3)	4+12+6	80	12	54	27	49	1.4	0.60	31
	6+12+6	79	12	51	24	43	1.4	0.57	33
Walshs TwinSeal Performance Plus Laminate									
Clear (#3)	6.38+12+6	79	12	48	20	<1	1.4	0.55	35
Grey (#3)	6.38+12+6	38	6	28	13	<1	1.4	0.35	35
Translucent (#3)	6.38+12+6	61					1.4	0.46	35
Walshs TwinSeal Performance Plus Serenity									
Clear (#3)	6.5+12+4	79	12	49	20	<1	1.4	0.54	38
	6.5+12+5	79	12	48	20	<1	1.4	0.54	39
	6.5+12+6	78	12	48	20	<1	1.4	0.54	39
Grey (#3)	6.88+12+4	38	6	28	13	<1	1.4	0.35	38
	6.88+12+5	38	6	28	13	<1	1.4	0.35	39
	6.88+12+6	38	6	28	13	<1	1.4	0.35	39

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Technical Information

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.