WalshsGlass

Walshs Double Glazing Range 2026/27

Specifications and Performance Data

The Walshs range includes some of the best thermally insulating double glazed window units on the market, with a specification and performance level to suit every project and budget.

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experts in glass

Understanding this guide

Coated surface position ie: (#2)	Where # appears next to a product name, 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.
Nominal Thickness	Identifies the glass thickness. For double-glazed products, the first and last numbers is the thickness of each glass panel, and the middle number is the width of the gap in-between.
Visible Light Transmission	The percentage of visible light that passes directly through the glass. The higher the percentage, 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 wavelengths 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.
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.
Shading Coefficient	The ratio of solar heat gain through glass relative to that through 3mm clear glass. A lower number indicates a better performance.
RW – Weighted Sound Reduction Index	Used to measure the effectiveness of the glass as a noise insulator. Measured in decibels (dB) – the higher the RW value, the greater the reduction in noise.
Selectivity	The ratio of visible light transmitted to solar heat gain – indicating how well a window allows daylight in while blocking heat. A high selectivity means the glass lets in more visible light but blocks more solar heat.

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 7.4 software. NFRC 100-2001 conditions have been used.

Walshs TwinSeal™

Walshs TwinSeal™ 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™ 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 DGUs have become more important than ever before – making Walshs TwinSeal™ the ideal choice for your next project.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		UV Trans. %	U Value		SHGC	Shading Co.	RW
		Trans. %	Refl. %	Trans. %	Refl. %		Air	Argon			
Float											
Walshs Clear	4+12+4	80	15	69	13	51	2.7	2.6	0.75	0.86	31
	5+12+5	79	15	63	12	47	2.7	2.5	0.72	0.83	31
	6+12+6	78	15	62	12	44	2.7	2.5	0.71	0.82	33
	8+12+6	77	14	57	11	42	2.7	2.5	0.66	0.76	35
	10+12+6	76	14	54	10	39	2.7	2.5	0.64	0.73	38
	12+12+6	75	14	51	10	37	2.6	2.5	0.61	0.71	38
Walshs Grey	4+12+4	50	8	46	8	24	2.7	2.6	0.55	0.64	31
	5+12+5	42	7	38	7	19	2.7	2.5	0.49	0.57	31
	6+12+6	37	7	33	7	15	2.7	2.5	0.45	0.52	33
	10+12+6	24	5	24	5	9	2.7	2.5	0.38	0.44	38
	12+12+6	19	5	20	5	7	2.6	2.5	0.34	0.40	38
Walshs Green	6+12+6	68	12	39	8	21	2.7	2.5	0.50	0.57	33
	10+12+6	56	9	24	6	9	2.6	2.5	0.37	0.43	38
Walshs Bronze	6+12+6	43	8	38	7	15	2.7	2.5	0.50	0.57	33
	10+12+6	30	6	28	6	7	2.6	2.5	0.41	0.48	38
Laminate											
Walshs Clear	6.38+12+6	78	15	58	12	<1	2.7	2.5	0.67	0.77	34
Walshs Grey	6.38+12+6	37	7	37	7	<1	2.7	2.5	0.49	0.56	34
Walshs Bronze	6.38+12+6	46	8	40	8	<1	2.7	2.5	0.52	0.60	34
Walshs Green	6.38+12+6	63	11	50	9	<1	2.7	2.5	0.60	0.70	34
Walshs Translucent	6.38+12+6	58	10	44	8	<1	2.7	2.5	0.55	0.64	34

Walshs 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.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		UV Trans. %	U Value		SHGC	Shading Co.	RW
		Trans. %	Refl. Out %	Trans. %	Refl. Out %		Air	Argon			
Walshs TwinSeal™ Performance											
Sunergy Float											
Clear (#2)	4+12+4	61	12	44	12	39		1.90	0.61	0.53	31
	6+12+6	60	12	41	11	34		1.80	0.50	0.59	33
	10+12+6	55	12	40	11	33		1.90	0.56	0.49	38
Grey (#2)	6+12+6	30	6	6	7	17		1.85	0.37	0.37	33
Planibel G Float											
Clear (#3)	4+12+4	75	16	59	14	44	2.00	1.70	0.65	0.75	31
	6+12+6	73	15	53	13	38	1.90	1.70	0.61	0.71	33
	10+12+6	71	15	49	12	32	1.90	1.70	0.57	0.66	38
Grey (#2)	4+12+4	47	9	40	9	19	1.90	1.70	0.48	0.55	31
	6+12+6	37	7	30	8	14	1.90	1.70	0.39	0.45	33
Solar Control Float											
Neutral (#2)	6+12+6	56	12	36	10	30		1.90	0.45	0.52	33
Solar Control Laminates											
Clear (#2)	6.38+12+6	73	16	51	12	<1	1.90	1.60	0.60	0.69	34
	10.38+12+6	71	16	47	11	<1	1.80	1.60	0.56	0.64	39
	12.38+12+6	70	16	45	11	<1	1.80	1.60	0.54	0.62	39
Neutral (#2)	6.38+12+6	52	10	15	8	<1	1.90	1.70	0.43	0.50	34
	10.38+12+6	53	11	16	8	<1	1.90	1.60	0.41	0.47	39
Grey (#2)	6.38+12+6	35	7	15	8	<1	1.90	1.60	0.41	0.47	34
	10.38+12+6	36	7	15	7	<1	1.90	1.60	0.39	0.45	39
Translucent (#2)	6.38+12+6	55	11	16	9	<1	1.90	1.60	0.48	0.55	34
	10.38+12+6	54	11	16	9	<1	1.90	1.60	0.45	0.52	39
Performance data with Planibel G Clear # 3 used as inner pane											
Planibel G Clear (#2)	4+12+4	69	19	47	15	33		1.55	0.63	0.72	31
	6+12+6	66	17	47	15	27		1.50	0.59	0.68	33
	10+12+6	65	18	43	13	25		1.50	0.56	0.64	38
Planibel G Grey (#2)	4+12+4	42	17	35	10	15		1.50	0.45	0.52	31
	6+12+6	32	16	25	8	14		1.50	0.36	0.42	33
Walshs Solar Neutral # 2	6+12+6	52	13	32	11	24		1.50	0.43	0.50	33
	10+12+6	51	13	31	10	23		1.50	0.42	0.42	38
Solar Control Laminates											
Clear (#2)	6.38+12+6	67	18	43	13	<1	1.70	1.50	0.55	0.64	34
	10.38+12+6	66	18	42	13	<1	1.70	1.50	0.54	0.60	39
	12.38+12+6	65	18	40	12	<1	1.70	1.50	0.52	0.59	39

Walshs 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.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		UV Trans. %	U Value Argon	SHGC	RW
		Trans. %	Reflect Out %	Trans. %	Reflect Out %				
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	55	17	32	28	<1	1.4	0.50	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

ThermaPlus™
DOUBLE GLAZING

Utilising European glass technology to deliver high levels of natural light, superior thermal insulation and maximum comfort, ThermaPlus™ is WA's leading standard for premium residential double glazing, and offers two key ranges catering for both performance and acoustic requirements – each with its own finishes and appearance.

The use of a 'warm-edge' state-of-the-art thermoplastic spacer and argon gas filling as standard significantly improves the thermal performance and energy efficiency of the window, and provides a more reliable seal with a consistent, smooth black appearance that visually disappears into the view and overall design. Specific requirements regarding overall unit/window and glass thickness can be catered for in most circumstances.

ThermaPlus™

Product	Outside Glass	Inside Glass	Nominal Thickness mm	Visible Light Trans. %	U Value	SHGC	Selectivity
ThermaPlus™ Clear	Clear Float	ThermaPlus™	4+12+4	80	1.4	0.59	1.36
			5+12+5	78	1.4	0.56	1.39
			6+12+6	78	1.4	0.55	1.42
			8+12+8	76	1.4	0.52	1.46
ThermaPlus™ Grey	Grey Float	ThermaPlus™	4+12+4	49	1.4	0.40	1.23
			5+12+5	42	1.4	0.36	1.17
			6+12+6	37	1.4	0.32	1.16
ThermaPlus™ Translucent	Translucent Laminate	ThermaPlus™	6.38+12+4	61	1.4	0.46	1.33
			6.38+12+5	61	1.4	0.45	1.36
			6.38+12+6	61	1.4	0.45	1.36
			8.38+12+8	60	1.4	0.45	1.33
ThermaPlus™ Acid Etch	Acid Etch	ThermaPlus™	4+12+4	80	1.4	0.59	1.36
			6+12+6	78	1.4	0.55	1.42
			8+12+8	77	1.4	0.53	1.45

ThermaPlus™ Serenity

Where there is a need to reduce sound and noise, be it from traffic, nearby activity or other sources, ThermaPlus™ Serenity offers all the performance of ThermaPlus™, with the addition of acoustic performance – perfect for creating calm and peaceful homes.

Acoustic laminate incorporated into ThermaPlus™ Serenity reduces external sound levels by 29% compared to regular premium double glazing.

Product	Outside Glass	Inside Glass	Nominal Thickness mm	Visible Light Trans. %	U Value	SHGC	Selectivity
ThermaPlus™ Serenity Clear	Serenity Control Clear	ThermaPlus™	6.5+12+4	79	1.4	0.54	1.46
			6.5+12+5	79	1.4	0.54	1.46
			6.5+12+6	78	1.4	0.54	1.44
			8.5+12+8	78	1.4	0.54	1.44
ThermaPlus™ Serenity Grey	Serenity Control Grey	ThermaPlus™	6.88+12+4	38	1.4	0.35	1.09
			6.88+12+5	38	1.4	0.35	1.09
			6.88+12+6	38	1.4	0.35	1.09
			8.88+12+8	37	1.4	0.35	1.03

Walshs TwinSeal™ Performance Optima

Walshs TwinSeal™ Performance Optima DGU has been designed specifically to provide superior performance double glazing solution. Discover the perfect balance between high-end performance and luxury with our new double-glazed glass solution. Designed to meet the demands of modern living, this innovative product offers exceptional insulation and cooling benefits, making it the ideal choice for comfort-conscious homeowners and commercial eco-friendly builds.

TwinSeal™ Performance Optima provides flexibility for the most demanding projects and delivers a high quality standard. For those seeking an IGU solution that merges exceptional performance with environmental responsibility, this product delivers premium results at an attainable level. Perfect for homeowners, architects, and builders aiming to combine style, performance, and sustainability in every project.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		UV Trans. %	U Value	SHGC	RW
		Trans. %	Reflect Out %	Trans. %	Reflect Out %				
Clear	6+12+6	68	15	29	45	9.7	1.43	0.32	33
Green	6+12+6	55	14	25	45	9.7	1.43	0.32	33
Grey	6+12+6	45	14	25	44	9.7	1.43	0.32	33
Acid Bronze	6+12+6	67	15	29	45	9.7	1.43	0.32	33

Walshs TwinSeal™ Performance Platinum

Walshs TwinSeal™ Performance Platinum is the Rolls Royce of our thermally insulating DGU products.

Designed specifically to meet and exceed the 2025 NatHERS 7 star energy efficiency standards, Walshs TwinSeal™ Performance Platinum is the future of double glazing, with exceptional quality, outstanding performance, and a reduced ecological footprint.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		U Value	SHGC	RW
		Transmission %	Reflect Out %	Transmission %	Reflect Out %			
Clear 1*	6+12+6	67	13	26	48	1.32	0.28	34
Clear 2	6+12+6	59	14	23	45	1.32	0.26	34
Clear 3*	6+12+6	49	11	19	42	1.32	0.22	34
Green	6+12+6	54	12	19	48	1.32	0.28	34
Grey	6+12+6	33	12	13	47	1.32	0.27	34
Bronze	6+12+6	40	12	15	47	1.32	0.27	34
Acid Etch	6+12+6	66	13	26	48	1.32	0.28	34

* Product available by special order only.

WalshsGlass

To find your local Walshs Premium Double Glazed Window Dealer

Call 08 9366 6666
Email enquiries@walshsglass.com.au
Visit walshsglass.com.au

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Walshs Glass is proudly WA owned, supplying Perth and the South-West with locally made glass products for more than 50 years.

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