Walshs Single Glazing Range

Specifications and Performance Data

Walshs offers a versatile single-glazed range of glass designed for both residential and commercial use.

Regardless of your requirements – be it for reliable clear glass supply, selection from a comprehensive range of tones and patterns, or a monolithic performance solution – we have a full range of quality glass sourced from the world's most trusted manufacturers.

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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.
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.

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 Clear & Toned

Walshs provides a complete range of Clear and Toned single glazed products for all types of residential and commercial applications. As a clear building material, glass has the distinct advantage of bringing natural light and heat into a space, significantly improving comfort levels and visibility. However, when discretion or reduced light is needed – such as bathrooms, office spaces or living areas – our Toned or tinted glass option is an ideal choice.

Product Name	Nominal Thickness mm	Visible Light Trans. %	Visible Light Refl. %	Solar Energy Trans. %	Solar Energy Refl. %	UV Trans. %	U Value	SHGC	Shading Co.	RW
Float										
Walshs Clear	3	89	8	83	8	69	5.9	0.85	0.98	30
	4	89	8	82	8	67	5.9	0.85	0.98	31
	5	88	8	79	7	63	5.9	0.83	0.95	32
	6	88	8	78	7	60	5.8	0.82	0.95	32
	8	86	8	71	7	56	5.7	0.77	0.89	34
	10	85	8	67	7	52	5.7	0.75	0.86	36
	12	84	8	64	7	48	5.6	0.72	0.84	37
	15	82	7	59	6	45	5.5	0.70	0.81	37
	19	80	7	55	6	41	5.4	0.67	0.78	40
Walshs Grey	4	56	6	55	6	30	5.9	0.66	0.77	31
	5	47	6	47	5	23	5.8	0.61	0.71	32
	6	42	5	42	5	19	5.8	0.58	0.67	32
	10	27	5	31	5	12	5.7	0.51	0.59	36
	12	21	4	25	5	9	5.6	0.47	0.55	37
Walshs Green	4	82	8	58	6	38	5.9	0.68	0.79	31
	5	79	7	51	6	32	5.9	0.63	0.74	32
	6	77	7	47	5	27	5.8	0.61	0.71	32
	10	63	6	29	5	11	5.7	0.49	0.57	36
Walshs Bronze	4	61	7	60	6	28	5.9	0.70	0.81	31
	5	54	6	52	6	22	5.9	0.64	0.74	32
	6	49	6	48	5	19	5.8	0.62	0.71	32
	10	34	5	36	5	9	5.7	0.54	0.63	36
Laminate										
Walshs Clear	6.38	87	8	72	7	<1	5.7	0.78	0.90	33
	6.76	86	8	71	7	<1	5.7	0.78	0.90	33
	8.38	87	8	72	7	<1	5.7	0.78	0.90	34
	10.38	86	8	66	7	<1	5.6	0.74	0.85	36
	12.38	85	8	65	7	<1	5.6	0.74	0.85	37
Walshs Grey	6.38	42	5	47	6	<1	5.7	0.61	0.71	33
	8.38	41	5	46	5	<1	5.7	0.61	0.71	34
	10.38	41	5	42	5	<1	5.6	0.59	0.67	36
	12.38	41	5	41	5	<1	5.6	0.58	0.67	37
Walshs Green	6.38	71	7	63	6	<1	5.7	0.72	0.83	33
	8.38	71	7	62	6	<1	5.7	0.72	0.83	34
	10.38	70	7	57	6	<1	5.6	0.69	0.79	36
	12.38	69	7	56	6	<1	5.6	0.68	0.78	37
Walshs Bronze	6.38	52	6	51	6	<1	5.7	0.64	0.74	33
	8.38	52	6	50	6	<1	5.7	0.64	0.74	34
	10.38	51	6	46	5	<1	5.7	0.61	0.70	36
	12.38	51	6	45	5	<1	5.6	0.61	0.70	37
Walshs Translucent	6.38	66	7	56	6	<1	5.7	0.67	0.78	33
	8.38	66	7	55	6	<1	5.7	0.67	0.77	34
	10.38	64	7	51	6	<1	5.6	0.64	0.74	36
	12.38	64	6	50	6	<1	5.6	0.64	0.73	37
Low Iron										
Walshs Clear	6	91	8	89	8	84	5.8	0.90	1.03	32
	10	90	8	87	8	81	5.7	0.89	1.02	36
High Performance Tones										
Walshs Dark Grey	6	9	4	8	4	1	5.7	0.41	0.35	32

Walshs Serenity Acoustic

A proven, superior alternative to standard glazing – Walshs Acoustic Laminate can be used across a wide range of internal and external applications, and in environments where external noise can be problematic such as homes, offices, and hospitals. It can also be incorporated into double-glazed units for increased thermal properties, improving energy efficiency.

Product Name	Nominal Thickness mm	Visible Light Trans. %	Visible Light Refl. %	Solar Energy Trans. %	Solar Energy Refl. %	UV Trans. %	U Value	SHGC	Shading Co.	RW
Walshs Serenity										
Clear	6.5	87	8	72	7	<1	5.7	0.78	0.78	36
	10.5	87	8	70	7	<1	5.6	0.77	0.77	39
	12.5	87	8	69	7	<1	5.5	0.76	0.76	40
Translucent	6.88	68	7	58	6	<1	5.7	0.69		36
Walshs Serenity Control										
Clear	6.5	82	10	65	7	<1	3.6	0.70	0.80	36
	10.5	81	11	61	7	<1	3.5	0.67	0.77	39
Grey	6.88	42	6	42	7	<1	3.6	0.52	0.60	36
	10.88	41	6	42	7	<1	3.5	0.49	0.49	39
Neutral	6.5	60	8	40	7	<1	3.6	0.52	0.60	36
	10.5	61	8	40	7	<1	3.5	0.52	0.59	39
Translucent	6.88	63	8	53	8	<1	3.6	0.59	0.69	36

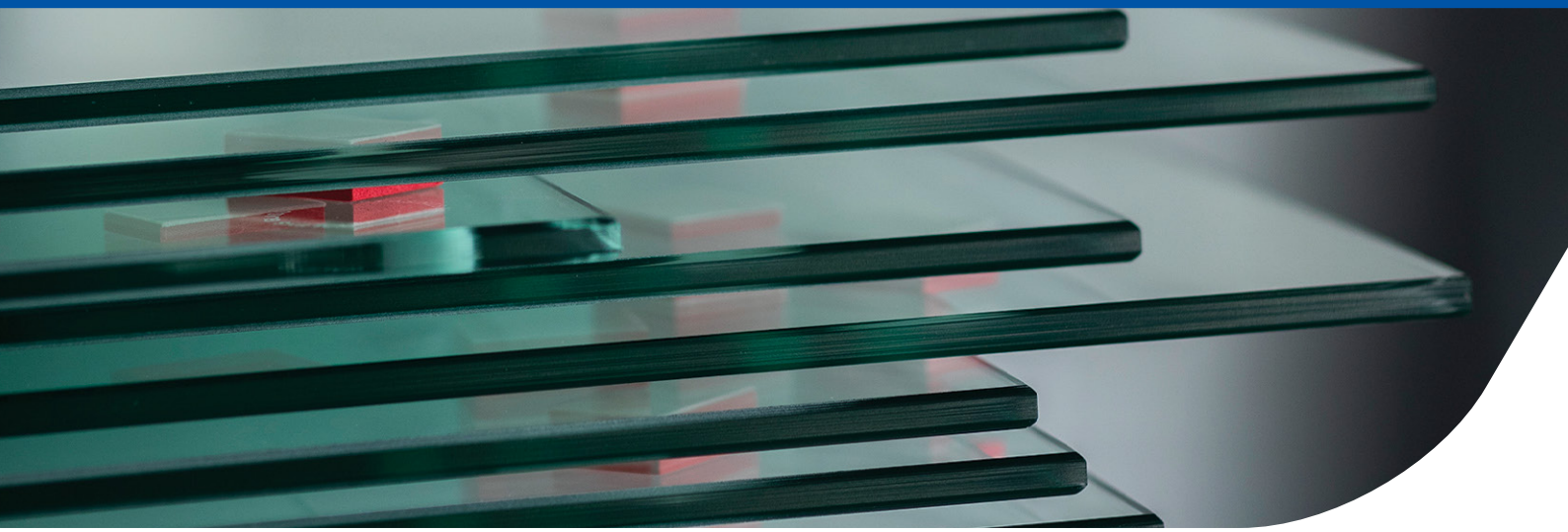
Common Sound Levels		Recommended Interior Noise Levels	
Environment	**dB**	**Environment**	**dB**
Threshold of hearing	0	Bedroom	30–40
Conversational speech	65	Classroom	35–40
Average traffic (kerbside)	70	Living room	40–45
Busy traffic	75	Private office	40–45
Loud traffic	80	Open office	45–50
Live band (20 metres)	105		

Performance Annealed and Walshs Low-E Single Glazing

Walshs Glass provides a complete range of energy efficient performance glass products for all types of residential and 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.

Product Name	Nominal Thickness mm	Visible Light		Solar Energy		UV Trans. %	U Value	SHGC	Shading Co.	RW
		Trans. %	Refl. %	Trans. %	Refl. %					
Walshs Solar Low-E Float										
Sunergy Float										
Neutral (#2)	4	67	9	54	10	49	4.20	0.59	0.61	31
	6	69	9	52	10	46	4.00	0.59	0.59	32
	10	66	8	48	9	40	3.90	0.56	0.57	36
Grey (#2)	6	33	5	29	6	13	4.00	0.42	0.43	32
Planibel G Float										
Clear (#2)	4	82	11	69	10	54	3.80	0.73	0.84	31
	5	81	11	67	10	51	3.7	0.71	0.81	32
	6	81	11	67	11	48	3.70	0.70	0.80	32
	10	79	10	61	9	43	3.70	0.66	0.76	36
Grey (#2)	4	51	10	47	8	22	3.80	0.55	0.64	31
	6	39	8	37	9	6	3.70	0.47	0.54	32
Walshs Solar Neutral Float										
Neutral (#2)	6	66	8	44	9		3.90	0.54	0.62	32
Walshs Solar Control Laminate										
Clear (#2)	6.38	82	10	11	65	9	3.60	0.70	0.80	33
	10.38	81	11	11	61	10	3.52	0.67	0.77	36
	12.38	80	10	11	56	9	3.50	0.63	0.72	37
Grey (#2)	6.38	42	6	9	42	7	3.64	0.52	0.60	33
	10.38	41	6	9	42	7	3.53	0.49	0.60	36
	12.38	41	6	9	39	7	3.50	0.48	0.57	37
Neutral (#2)	6.38	60	8	10	40	8	3.98	0.52	0.60	33
	10.38	61	8	10	40	8	3.90	0.52	0.59	36
	12.38	59	7	9	37	7	3.88	0.50	0.57	37
Translucent (#2)	6.38	63	8	10	53	8	3.65	0.60	0.69	33
	10.38	62	8	10	47	7	3.53	0.56	0.63	36
Guardian Coated Low-E Glass										
Solar Prime Neutral 45	6	44	16	24	22	24	4.00	0.35	0.41	32
Solar Prime Clear 65	6	67	10	44	11	34	4.45	0.54	0.63	32
	10	65	9.9	41	9.8	29	4.36	0.52	0.61	33



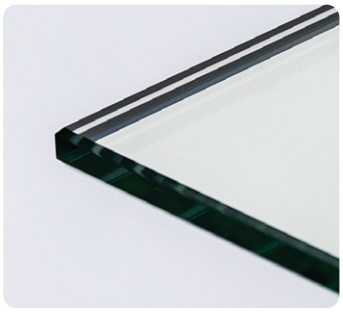
Glass Edge Processing

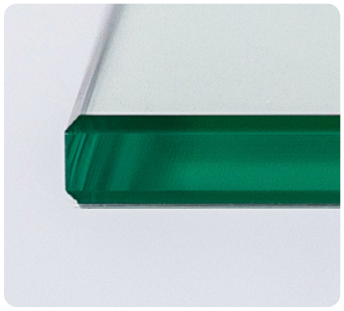
Edgework is an essential step in glass fabrication ensuring the safety and performance of your products and can involve various techniques and finishes tailored to meet different aesthetic, safety, or functional requirements.

The term Edge Processing at Walshs Glass typically refers to the finishing processes applied to the edges of glass panels when a minimalist appearance is desired, such as in glass balustrades, staircases, or facades. Flat polished edges provide a sleek and contemporary look while maintaining the transparency and clarity of the glass. Walshs Glass panel or sheet can achieve specific characterists or functionalities.

Edging provides a smooth and polished appearance to your product, giving it a more professional finish. With a smooth and unblemished edge, your product will look more attractive and provide increased protection against accidental damage. Glass edging also improves the strength of your glass products and helps to protect them from cracking or breaking during installation or use.

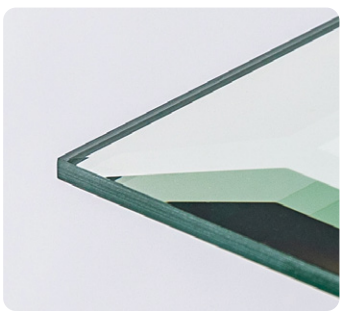
Common types of glass edgework available at Walshs

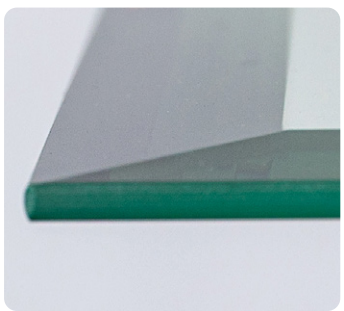




Flat Polished Edge

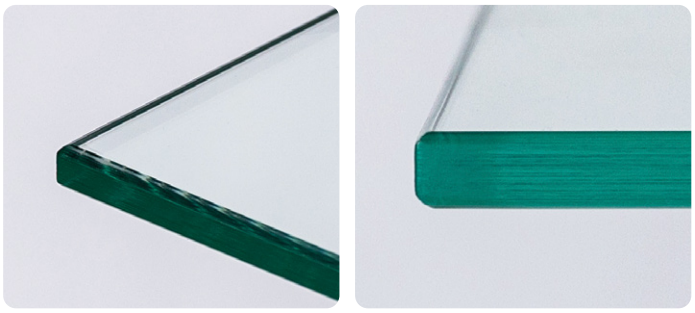
Produced on our state-of-the-art Lisec Split fin machine, CNC polishing is a smooth, flat edge without any bevel or angle. Flat polished edges are often used in architectural applications where a clean, minimalist appearance is desired, such as in glass balustrades, staircases or facades. Flat polished edges provide a sleek and contemporary look while maintaining the transparency and clarity of the glass.





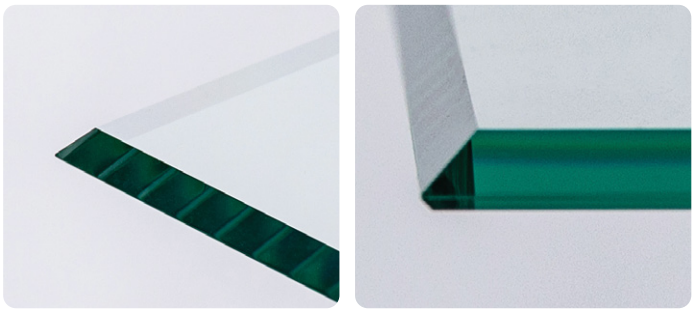
Bevel Edge

Produced on our state-of-the-art Bavelloni Bevel Straight Line edger. Beveling is a decorative edgework technique that involves cutting and shaping the edges of glass at an angle, typically creating a “V” shape. Beveled edges add a decorative touch to glass panels, mirrors, and doors, giving them an elegant and sophisticated look. Beveling can also serve a functional purpose by reducing the sharpness of the edges, making them safer to handle.



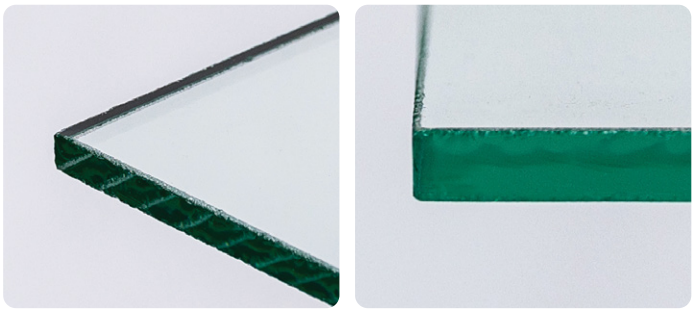
Bav Edge (Flat Grind)

Produced on state-of-the-art Lisec Split fin machine. Computer Numerical Control (CNC) polishing is a process that involves grinding and smoothing the edges of glass to create a clear, glossy finish. Polished edges are often used in applications where the edges of the glass will be exposed and visible, such as glass tabletops, shelves, or display cases. Polished edges enhance the aesthetic appeal of the glass and minimize the risk of injury from sharp edges.



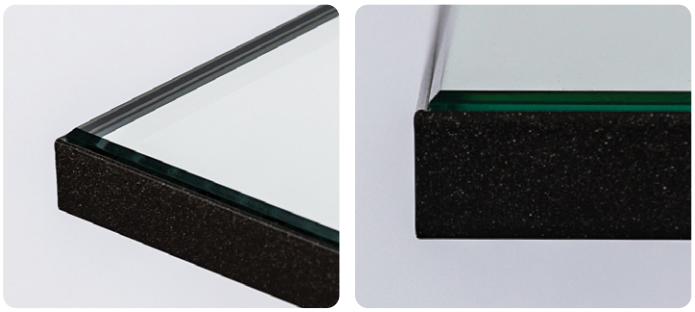
Polished Mitre Edge

Produced on Walshs state-of-the-art mitre machine. A mitred edge is selected when needing to butt glass against each other on an angle creating a seamless appearance.



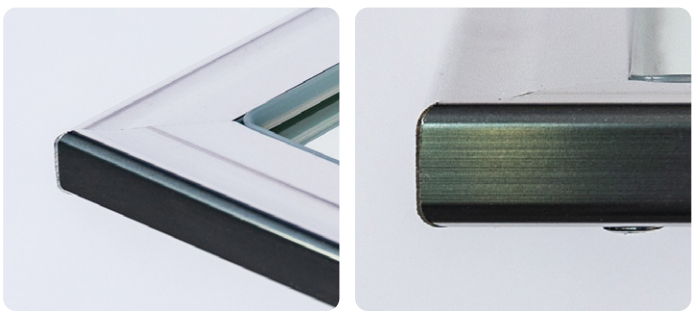
Arrised Edge

Produced on the state-of-the-art Walshs Lisec Arris Line. An arris edge is a process that involves lightly grinding and smoothing the edges of glass to remove any sharp edges or burrs. Arrised edges are commonly used in applications where the edges of the glass will be concealed within a frame or assembly, such as in windows, doors, or partitions. Using the Arris equipment helps improve safety during handling and installation and ensures a clean, finished appearance.



Slim Line Mirror

Slim Line Aluminium framed mirror that can be powder coated to suit your aesthetic requirements.



Framed Mirror

Aluminium framed mirror that can be powder coated to suit your aesthetic requirements.

WalshsGlass

To find your local Walshs Premium Single Glazed Window Dealer

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

198 Bannister Road, Canning Vale WA 6155

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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