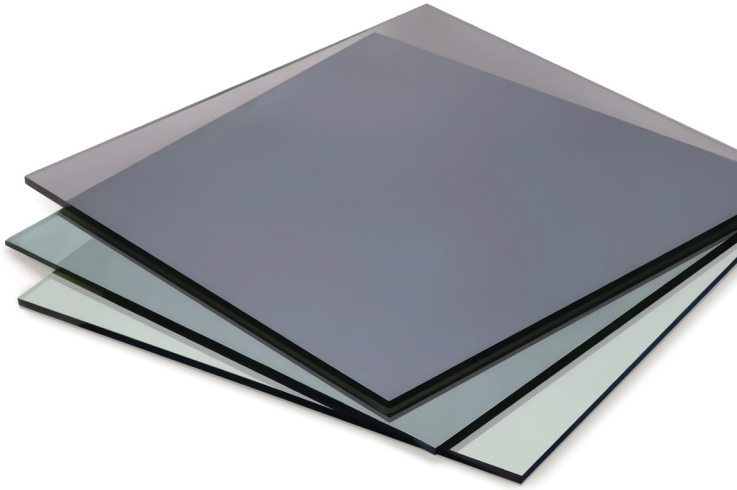
Customer Fact Sheet

Choosing Hard Coat Low-E Glass

Walshs' range of hard coat Low-E glass continues to evolve – offering both established, proven performers alongside a next generation of products to meet the most demanding single glazing (monolithic) project specifications.



Produced using a metal-oxide coating that's fused in a pyrolytic process, this low emissivity solution is highly scratch resistant and performs primarily by reflecting heat, inside and out.

Hard coats provide a durable and robust performance glazing solution for both energy efficiency and comfort. Available in a range of thicknesses and specifications, our range can meet most external glazing requirements, or be combined in a custom laminate or double-glazed unit for exceptional performance characteristics.

The Walshs hard coat range

Use this table to select the most suitable performance hard coat glass for your customer or project. Our range allows you to balance overall investment with specific design characteristics, offering clarity of daylight alongside the choice of superior solar or thermal insulation (or both).

Variants	Thickness	VLT %	SHGC	U Value	RW
WHAT IT MEANS		Daylight transfer	Solar heat transfer (loss)	Thermal heat transfer (loss)	Noise insulation
TARGET		Higher	Lower	Lower	Higher
Typical uncoated glass	Clear	6mm	88	0.82	5.80	32
Walshs Solar Neutral A solidly performing and durable coating with an attractive neutral appearance.	Clear	6mm	62	0.54	4.10	32
Sunergy The proven and economical performer that provides entry level hard coat performance with high durability and excellent consistency.	Neutral	4mm	69	0.59	4.20	31
		6mm	63	0.59	4.00	32
		10mm	66	0.56	3.90	36
	Grey	6mm	33	0.37	4.00	32
Planibel G The leading solution for residential NCC compliance in the Perth metropolitan area. Planibel G offers high light transmission and great clarity.	Clear	4mm	82	0.73	3.80	31
		5mm	81	0.71	3.70	32
		6mm	81	0.70	3.70	32
		10mm	79	0.66	3.70	36
	Grey	4mm	52	0.55	3.80	31
		6mm	41	0.48	3.70	32
Guardian SunGuard® Solar Prime™ The next generation of hard coat glass with performance comparable to soft coat solutions.	Neutral 45	6mm	44	0.35	4.00	32
		10mm	43	0.35	3.92	36
	Clear 65	6mm	67	0.54	4.45	32
		10mm	65	0.52	4.36	36

Good to know

Our Walshs Account Management team are here to assist you with your hard coat glass selection, including review of your project requirements or provision of samples.

Need even greater performance characteristics?

Double-glazing and laminated glass solutions offer the next level of efficiency beyond hard coats.

Major commercial projects

If you're quoting commercial window projects over $100k (glass value), then talk to your Account Manager about access to our Walshs Commercial range of Low-e Hard Coats.

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