

Oceania Performance Comparison Charts

Find performance-matched options by brand and by metric (U-value, SHGC, VLT, Rw etc). Product names belong to their respective owners and are used for identification and comparison only.

Comparative Information, Trademarks and Compliance This document provides performance-based comparative information to assist architects, engineers, builders and procurement teams in identifying potential alternatives to certain third-party glass products. The information is intended as a general guide only and must not be relied upon as a final specification. Product and brand names are trademarks of their respective owner(s). They are referenced solely for identification and comparison. Cooling Brothers is not affiliated with, endorsed by, or a licensee of any third-party brand mentioned. Comparisons are drawn from centre-of-glass performance metrics (including, where applicable, U-value, SHGC, VLT and acoustic Rw) and typical laminate/build-up options available from Cooling Brothers as at the publication date. Whole-of-window performance will differ depending on frame type, spacer/bar, installation method, glazing details and site conditions. Compliance with the National Construction Code (NCC) and AS1288 (and any other applicable standards) depends on the complete glazing system and installation. It is the responsibility of the project designer, certifier and installer to verify compliance for the intended application and to obtain any required approvals for substitution. Cooling Brothers can supply datasheets, glazing certificates and a substitution letter to support approvals. While care has been taken to ensure accuracy at the time of publication, specifications, availability and lead times are subject to change without notice. Cooling Brothers disclaims any liability for loss arising from reliance on this document. Always confirm final specifications with an up-to-date Cooling Brothers datasheet and written quotation.

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Redefining the possibilities of glass

Performance Comparison: Single Glazed Hard Coat

PRODUCT	MAKEUP	LOW-E TYPE	COLOUR	VISIBLE			SOLAR		U-VALUE	SHGC	SC	SIMILAR PRODUCTS
				TRANS.	REFL. OUT	REFL. IN	TRANS.	REFL.				
Cool-E Clear	4mm	Hard Coat		83	10	11	70	11	3.65	0.73	0.84	ComfortPlus™ Clear, EnergyTech™
	5mm	Hard Coat		82	10	11	68	11	3.62	0.72	0.82	
	6mm	Hard Coat		82	10	11	67	10	3.61	0.70	0.81	
	8mm	Hard Coat		82	11	11	66	10	3.61	0.70	0.80	
	10mm	Hard Coat		79	9	10	58	8	3.59	0.64	0.74	
	6.38mm	Hard Coat		82	10	11	65	9	3.60	0.70	0.80	
	10.38mm	Hard Coat		81	11	11	61	10	3.52	0.67	0.77	
	12.38mm	Hard Coat		80	10	11	56	9	3.50	0.63	0.72	
Cool-E Neutral	6mm	Hard Coat		61	7	9	43	8	4.07	0.53	0.61	ComfortPlus™ Neutral, SolTech™
	6.38mm	Hard Coat		60	8	10	40	8	3.98	0.52	0.60	
	10.38mm	Hard Coat		61	8	10	40	8	3.90	0.52	0.59	
	12.38mm	Hard Coat		59	7	9	37	7	3.88	0.50	0.57	
Cool-E Grey	6mm	Hard Coat		39	5	8	36	6	3.70	0.47	0.54	Grey EnergyTech™
Cool-E Solar Neutral	6mm	Hard Coat		44	16	6	24	22	3.99	0.35	0.41	EVantage™, SolTech™

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Performance Comparison: Double Glazed Hard Coat

PRODUCT	MAKEUP	LOW-E TYPE	COLOUR	VISIBLE			SOLAR		U-VALUE		SHGC	SC	SIMILAR PRODUCTS
				TRANS.	REFL. OUT	REFL. IN	TRANS.	REFL.	AIR	ARGON			
Cool-E Clear	4 / 12 / 4	Hard Coat		75	16	17	60	15	1.88	1.60	0.66	0.76	EnergyTech™
	5 / 12 / 5	Hard Coat		75	16	17	57	14	1.87	1.59	0.64	0.74	
	6 / 12 / 6	Hard Coat		74	16	17	55	14	1.86	1.58	0.63	0.72	
	8 / 12 / 8	Hard Coat		73	16	17	53	14	1.87	1.59	0.62	0.71	
	10 / 12 / 10	Hard Coat		70	15	16	46	11	1.85	1.58	0.56	0.64	
Cool-E Neutral	6 / 12 / 6	Hard Coat		55	10	16	36	10	2.08	1.84	0.45	0.52	SolTech™ Neutral
Cool-E Grey	6 / 12 / 6	Hard Coat		35	7	15	29	7	1.91	1.64	0.39	0.44	Grey EnergyTech™
Cool-E Solar Neutral	6 / 12 / 6	Hard Coat		39	17	13	21	23	2.05	1.80	0.28	0.32	EVantage™ Grey, SolTech™ Grey

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Performance Comparison: Double Glazed Soft Coat

PRODUCT	MAKEUP	LOW-E TYPE	COLOUR	VISIBLE			SOLAR		U-VALUE			SIMILAR PRODUCTS
				TRANS.	REFL. OUT	REFL. IN	TRANS.	REFL.	ARGON	SHGC	SC	
Ultra Light-E	4 / 12 / 4	Single Silver Soft Coat		81	13	13	54	30	1.37	0.57	0.66	LuxTech™
	5 / 12 / 5	Single Silver Soft Coat		81	13	13	54	30	1.37	0.57	0.66	
	6 / 12 / 6	Single Silver Soft Coat		80	13	13	53	29	1.36	0.57	0.65	
	8 / 12 / 8	Single Silver Soft Coat		79	14	13	51	28	1.35	0.56	0.64	
Ultra Cool-E	6 / 12 / 6	Double Silver Soft Coat		68	14	15	29	45	1.34	0.32	0.37	N/A
	6 / 12 / 6	Double Silver Soft Coat		68	14	15	28	42	1.33	0.32	0.37	
Ultra Plus 60	6 / 12 / 6	Triple Silver Soft Coat		60	14	13	24	45	1.34	0.26	0.30	N/A
	8 / 12 / 8	Triple Silver Soft Coat		59	14	14	23	42	1.33	0.26	0.30	
Ultra Pro 52	6 / 12 / 6	Double Silver Soft Coat		50	14	14	21	40	1.34	0.25	0.29	N/A
	8 / 12 / 8	Double Silver Soft Coat		49	14	14	21	40	1.33	0.25	0.29	
Ultra Pro 61	6 / 12 / 6	Double Silver Soft Coat		60	13	13	26	38	1.35	0.30	0.35	

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Performance Comparison: Acoustic Laminate

All Acoustic glass is certified and available in Low E and Double glazed options.

PRODUCT	MAKEUP	RW	C	CTR	SIMILAR PRODUCTS
Whisper Acoustic	6.5mm	36	-1	-3	ComfortHush™, QLamHush™
	10.5mm	38	-1	-3	
	12.5mm	39	-1	-3	

Performance Comparison: Security Glass

All Security glass is certified and available in Low E and Double glazed options.

PRODUCT	MAKEUP	SIMILAR PRODUCTS
Secure Guard	6.52mm, 7.52mm, 9.52mm, 11.52mm, 13.52mm	AssaultLam™, IntruderLam™
Ultra Secure Guard	14mm	N/A
Prison Glass	17mm	N/A
	22mm	

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