

Glass Performance Tables - Single Glazing

PRODUCT	CORE GLASS COLOUR	ALTERNATE NAMES	RANGE (mm)	DAY LIGHT TRANSMISSION (The higher the percentage, the more daylight)	SHGC (The lower the number the less solar heat is transferred)	U VALUE (The lower the number the slower the heat is transferred)	TDW- ISO (A measurement of damage from light. The lower the number the slower the damage)	APPLICATION	DESCRIPTION
Core Glass - VFLOAT™									
CLEAR FLOAT	Clear	Clear standard glass	4, 5, 6, 8, 10, 12, 15, 19	88%	0.82	5.8	75	All glazing applications	Daylight and vision
SUPERCLEAR LOW IRON GLASS	Clear	Diamant	4, 5, 6, 10, 12	91%	0.89	5.2	85	All glazing applications	A low iron glass that provides excellent clarity.
GREY FLOAT	Grey		4, 5, 6, 10, 12	42%	0.58	5.8	37	Glazing applications where daylight and solar control is needed	Grey tinted glass with reduced light transmission and improved shading coefficient is needed.
BRONZE FLOAT	Bronze		5, 6, 10	62%	0.65	5.8	40	Glazing applications where daylight and solar control is needed	Bronze tinted glass with reduced light transmission and improved shading coefficient is needed
GREEN FLOAT	Green		5, 6, 10, 12	76%	0.62	5.8	60	Glazing applications where daylight and solar control is needed	Green tinted glass with reduced light transmission and improved shading coefficient is needed.
Core Glass - VLAM™									
CLEAR LAMINATE	Clear		6.38, 8.38, 10.38, 12.38	86%	0.78	5.7	60	Glazing applications that require UV protection, sound, security and safety	Two panes of glass, VFLOAT CLEAR and VFLOAT CLEAR held together with a clear PVB laminate.
GREY LAMINATE	Grey		6.38, 8.38, 10.38	42%	0.61	5.7	32	Glazing applications that require UV protection, sound, security and safety	Two panes of glass, VFLOAT GREY and VFLOAT CLEAR held together with a clear PVB laminate
BRONZE LAMINATE	Bronze		6.38, 8.38, 10.38	52%	0.64	5.7	35	Glazing applications that require UV protection, sound, security and safety	Two panes of glass, VFLOAT BRONZE and VFLOAT CLEAR held together with a clear PVB laminate
GREEN LAMINATE	Green		6.38	71%	0.72	5.7	55	Glazing applications that require UV protection, sound, security and safety	Two panes of glass, VFLOAT GREEN and VFLOAT CLEAR held together with a clear PVB laminate
Noise									
VLAM SILENCE LAMINATE	Clear	Acoustic Laminate	6.5, 8.5, 10.5, 12.5	87%	0.78	5.7	60	All glazing applications that require a superior sound reducing interlayer and UV protection, security and safety.	Specialised sound reducing laminate between two panes of glass with UV protection, security and safety qualities

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Energy									
VFLOAT SUPERBLUE	Blue		6	53%	0.52	5.8	50	Glazing where solar control and privacy is needed	Reflective solar control
VFLOAT SUPERGREEN	Green		6	67%	0.56	5.8	48	Solar controlled situations	Reflective solar control
VFLOAT SUPERGREY	Grey		6	9%	0.35	5.8	19	Thermal assessment required for external use	Reflective solar control
VFLOAT ENERGYTECH (NORTH ISLAND SUPPLY)	Clear		4, 5, 6, 11	81%	0.69	3.6	72	Glazing where insulation is needed	Hard coat Low-E
VFLOAT EVANTAGE GREY	Grey		6	32%	0.41	3.8	25	Glazing where insulation and solar control is needed	Grey tinted hard coat Low-E glass with subtle reflective solar coating
VFLOAT EVANTAGE SUPERGREEN	Green		6	49%	0.37	3.8	32	Glazing where insulation and solar control is needed	Hard coat Low-E with subtle reflective solar coating
VFLOAT SUNERGY GREY	Grey		6	34%	0.43	4.1	31	Glazing where insulation and solar control is needed	Grey tinted hard coat Low-E glass with subtle reflective solar coating
VFLOAT SUNERGY GREEN	Green		6	56%	0.42	4.1	44	Glazing where insulation and solar control is needed	Green tinted hard coat Low-E glass with subtle reflective solar coating
VFLOAT STOPSOL SUPER SILVER GREY	Grey		6	29%	0.60	5.7	24	Glazing where solar control and privacy is needed	Reflective solar control
VFLOAT STOPSOL SUPER SILVER GREEN	Green		6	51%	0.49	5.8	36	Glazing where solar control and privacy is needed	Reflective solar control
VFLOAT STOPSOL CLASSIC DARK BLUE	Blue		6	24%	0.49	5.9	20	Glazing where solar control and privacy is needed	Reflective solar control
Decorative									
DÉCOR PATTERN CATHEDRAL	Clear		4, 5	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
DÉCOR PATTERN SATINLITE	Clear		4, 5, 6	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
DÉCOR PATTERN SPOTSWOOD	Clear		4, 5, 7	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
DÉCOR PATTERN SQUARELITE WIRED GLASS	Clear		6	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
DÉCOR PATTERN PYROSHIELD	Clear		6	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
DÉCOR SATIN (ACID ETCH GLASS)	Clear		4, 5, 6, 10	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass
VLAM TRANSLUCENT			6, 38, 10, 39	88%	0.82	5.8	75	Light privacy and decoration	Patterned Decorative glass

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Glass Performance Tables - Frequently Used Double Glazing Combinations

COMBINATION (6mm Outer pane / 14mm Spacer / 6mm Inner pane)	Colour	DAY LIGHT TRANSMISSION (The higher the percentage, the more daylight)	SHGC (The lower the number the less solar heat is transferred)	U VALUE (The lower the number the slower the heat is transferred outside)	TDW- ISO% (A measurement of damage from light. The lower the number the slower fading)	DESCRIPTION
Energy						
6mm PerformaTech 206 / 14 / 6mm Clear	Neutral	68%	0.33	1.1	52	Low-E (Heat retention) and solar control
6mm PerformaTech 206 / 14 / 6.38mm Clear Laminate	Neutral	67%	0.33	1.1	46	Low-E (Heat retention) , solar control and furniture protection
6mm PerformaTech 206 / 14 / 6.5mm Clear VLam Silence Laminate	Neutral	67%	0.33	1	44	Low-E (Heat retention) ,solar control, furniture protection and acoustic control
6mm Clear / 14 / 6mm LightBridge (Planitherm XN)	Clear	79%	0.57	1.2	65	Low-E (Heat retention) and maximum natural light
6.38mm Clear Laminate/ 14 / 6mm LightBridge (Planitherm XN)	Clear	79%	0.56	1.2	56	Low-E (Heat retention) and maximum natural light and furniture protection
6.5mm Clear VLam Silence Laminate/ 14 / 6mm LightBridge (Planitherm XN)	Clear	79%	0.55	1.2	53	Low-E (Heat retention) and maximum natural light, furniture protection and acoustic control
6mm Grey / 14 / 6mm LightBridge (Planitherm XN)	Grey	37%	0.33	1.2	31	Low-E (Heat retention) , solar control, privacy
6mm Clear / 14 / 6mm Clear	Clear	78%	0.71	2.6	68	Low-E (Heat retention) and maximum natural light
6.38mm Clear Laminate/ 14 / 6mm Clear	Clear	78%	0.68	2.6	56	Low-E (Heat retention) and maximum natural light and furniture protection
6.5mm Clear VLam Silence Laminate/ 14 / 6mm Clear	Clear	78%	0.67	2.7	53	Low-E (Heat retention) and maximum natural light, furniture protection and acoustic control
6mm Grey 14 / 6mm Clear	Grey	37%	0.46	2.7	32	Light restrictive glass with a grey tint
6mm Grey/ 14 / 6.38mm Clear Laminate	Grey	37%	0.45	2.7	28	Light restrictive glass with a grey tint and furniture protection
6mm Grey/ 14 / 6.5mm Clear VLam Silence Laminate	Grey	37%	0.45	2.7	27	Light restrictive glass with a grey tint, furniture protection and acoustic control
6mm Green / 14 / 6mm Clear	Green	68%	0.50	2.7	54	Light restrictive glass with a green tint
6mm Synergy Green / 14 / 6mm Clear	Green	50%	0.33	2.0	38	Low-E (Heat retention) , restrictive glass with a green tint
6mm Evantage SuperGreen / 14 / 6mm Clear	Green	44%	0.30	1.8	29	Low-E (Heat retention) , light restrictive glass with a green tint
6mm Synergy Grey/ 14 / 6mm Clear	Grey	30%	0.30	2	27	Low-E (Heat retention) , restrictive glass with a green tint
6mm EnergyTech Clear / 14 / 6mm Clear	Clear	73%	0.61	1.7	61	Low- E (Heat retention), glass may be hazy under certain conditions as the Low-E coating is a hard coat, instead of a soft coat found in LightBridge or PerformaTech 206.
6mm Stopsol SuperSilver Grey1* / 14 / 6mm Clear	Grey	26%	0.40	2.6	21	Dark grey reflective solar controlled glass.
6mm Stopsol SuperSilver Grey2* / 14 / 6mm Clear	Grey	27%	0.35	2.6	21	Dark grey reflective solar controlled glass.
6mm Stopsol SuperSilver Green1* / 14 / 6mm Clear	Green	47%	0.40	2.6	32	Dark green reflective solar controlled glass.
6mm Stopsol SuperSilver Green2* / 14 / 6mm Clear	Green	60%	0.52	2.6	32	Dark green reflective solar controlled glass.
6mm Stopsol Classic Dark Blue1* / 14 / 6mm Clear	Blue	22%	0.30	2.6	18	Dark blue reflective solar controlled glass.
6mm Stopsol Classic Dark Blue2* / 14 / 6mm Clear	Blue	22%	0.52	2.6	18	Dark blue reflective solar controlled glass.

1* and 2* denote annealed and toughened versions.