



Insulated Glazing Unit Window Performance Estimation Guide

Oceania Glass' Insulated Glazing Unit Window Performance Estimation Guide specifies indicative overall window performance data for a range of real glass from the Oceania Glass range and generic frame combinations.

This chart offers information for a much larger range of glass types than typically found under any window manufacturer's entry in the WERS database. The chart provides the missing connection between the window performance specification required by the building energy assessment and the glass type required in the window to satisfy that specification. It is the ideal starting point in finding a window product to satisfy the energy assessment. The chart provides overall window performance data for a wider range of single glazed and Insulated glass units combined with a range of generic framing types.

The window industry is constantly developing new and innovative window systems. There are many different manufacturers and frame types, each with different performance characteristics. The result is an enormous choice of glass and framing combinations, which can make finding the optimal combination a particularly challenging task.

This data will not be an exact match for any specific window manufacturers' performance data, but provides an indicative guide. The information enables specifiers, energy raters and designers to quickly focus on a much smaller subset of the available data within which the answer will be found.

This information can then be used with the assistance of a window fabricator to determine the final system solution.

This data is not certified WERS data. The building regulations require the use of certified data from WERS for final designs.



Windows Performance Estimation Guide

Insulated Glazing Unit - Glass in designated window frames



Glass & Frame (complete window data)

Product Name	Nominal Thickness	100mm Aluminium Front Glazed			150mm Aluminium Front Glazed			100mm Aluminium Centre Glazed			150mm Aluminium Centre Glazed			100mm Aluminium with Thermal Break			175mm Aluminium Curtain Wall			Aluminium Awning Window			Aluminium Hinged Door			Aluminium Sliding Door			Aluminium Sliding Window			Aluminium Folding Door			Aluminium Tilt & Turn Window			Aluminium Casement Window															
		U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e	U Value _e	SHGC _e	VT _e																
		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar		Air	Ar																	
Cathlite™ + EnergyTech™ Clear (#3)	4+12+4	3.0	2.7	0.65	0.66	3.2	3.0	0.66	0.66	2.8	2.6	0.65	0.67	3.0	2.8	0.65	0.67	2.2	2.0	0.65	0.67	3.3	3.1	0.70	0.64	4.5	4.4	0.46	0.42	3.8	3.6	0.51	0.49	3.4	3.2	0.56	0.56	4.0	3.8	0.59	0.59	3.7	3.5	0.48	0.47	4.7	4.6	0.38	0.34	4.3	4.2	0.49	0.46
Cathlite™ + EnergyTech™ Clear (#3)	5+12+5	3.0	2.7	0.62	0.65	3.2	3.0	0.63	0.65	2.8	2.6	0.62	0.66	3.0	2.8	0.63	0.66	2.2	2.0	0.62	0.66	3.3	3.1	0.67	0.64	4.5	4.4	0.44	0.42	3.8	3.6	0.49	0.49	3.4	3.2	0.54	0.55	4.0	3.8	0.56	0.59	3.7	3.5	0.46	0.47	4.7	4.6	0.36	0.34	4.3	4.2	0.47	0.45
Renew™Clear (#1) + QFloat™ Clear	6.38+12+6	3.6	3.5	0.58	0.62	3.8	3.7	0.60	0.62	3.5	3.3	0.59	0.63	3.7	3.6	0.59	0.63	2.8	2.7	0.59	0.63	4.0	3.9	0.63	0.61	5.0	4.9	0.41	0.40	4.2	4.1	0.46	0.46	3.9	3.8	0.50	0.53	4.7	4.6	0.50	0.51	4.2	4.1	0.43	0.44	5.0	5.0	0.34	0.32	4.7	4.6	0.44	0.43
Renew™Clear (#1) + EnergyTech™ Clear (#5)	6.38+12+6	2.9	2.7	0.55	0.57	3.1	2.9	0.56	0.58	2.8	2.6	0.55	0.59	3.0	2.8	0.56	0.59	2.2	2.0	0.55	0.59	3.3	3.1	0.59	0.57	4.5	4.4	0.39	0.37	3.7	3.6	0.44	0.43	3.4	3.2	0.48	0.49	4.1	3.9	0.47	0.47	3.7	3.5	0.41	0.41	4.7	4.6	0.32	0.30	4.3	4.2	0.42	0.40

© Oceania Glass 2020. Oceania Glass reserves the right to update the information at any time. The Window Performance Estimation Guide specifies indicative overall window performance data for a range of glass and frame combinations. The chart provides the ideal starting point in finding overall window performance data for single glazed and insulated glass units combined with a range of generic framing types.

