



Custom Thermal Ratings

For WADIC licensed members ONLY

The WADIC Custom Thermal Ratings have been modelled (rated) according to the Australian Fenestration Rating Council (AFRC) requirements and have also been audited by appropriately qualified and accredited professional organisations. These values are presented conservatively (rated as hardwood) in order to cover a wide range of timber species. The glass varieties were chosen to represent the widest range of glass thicknesses and glass types. Importantly the profiles used for these ratings were modelled using the slimmer (narrower) section sizes as detailed in the WADIC COMPLIANCE MANUAL and therefore wider timber sections, whereby the glass area is reduced, would slightly improve the thermal performance.

GLASSES (Assessed Size)	AWNING (600 x 1500)		CASEMENT (1500 x 600)		DOUBLE HUNG (1500 x 1200)		FIXED GLASS (1500 x 1200)		SLIDING WINDOW (1200 x 1500)		DOOR (2000 x 1000)		BI-FOLD DOORS (2000 x 2000)		SLIDING DOORS (2000 x 2000)	
	U	SHGC	U	SHGC	U	SHGC	U	SHGC	U	SHGC	U	SHGC	U	SHGC	U	SHGC
4 clear	4.593	0.536	4.451	0.545	5.041	0.666	5.214	0.746	5.214	0.682	4.701	0.613	4.307	0.519	4.805	0.638
EnTech4	3.363	0.457	3.154	0.462	3.384	0.563	3.401	0.630	3.553	0.577	3.114	0.519	2.981	0.423	3.150	0.483
SolTech4	3.375	0.348	3.167	0.347	3.400	0.421	3.419	0.470	3.569	0.433	3.130	0.398	2.994	0.325	3.167	0.413
SG4	4.594	0.374	4.452	0.375	5.041	0.455	5.241	0.509	5.214	0.468	4.701	0.391	4.266	0.320	4.805	0.407
4/8/4clear	2.738	0.480	2.704	0.487	2.872	0.586	2.801	0.656	2.938	0.600	2.733	0.534	2.535	0.435	2.542	0.556
4EnTech/8Ar95/4clear	2.092	0.412	2.074	0.419	2.090	0.503	1.903	0.563	2.129	0.515	2.007	0.467	1.935	0.380	1.801	0.484
4SolTech/8Ar95/4clear	2.099	0.300	2.081	0.304	2.098	0.364	1.913	0.406	2.138	0.372	2.088	0.346	1.941	0.279	1.858	0.310

VALUES

U – Heat transfer rate (thermal transmission – non solar)

The lower the U value = lower heat flow (increased insulation).

SHGC – Solar Heat Gain Co-efficient (solar radiation admittance)

The lower the SHGC = less admittance of solar radiation.

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