

# 2007 WERS Generic Products Directory - ANAC

## NOTES

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1.  $U_w$  is the whole window *U-value*
2.  $SHGC_w$  is the whole window *solar heat gain coefficient*
3.  $T_{vw}$  is the whole window *visible (light) transmittance*
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performance better than the base-case window
7. Maximum air infiltration is 5.0L/s.m<sup>2</sup> at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance ( $U_w$   $SHGC_w$   $T_{vw}$   $T_{dw}$ ) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (NatHERS) according to procedures of WERS 2004.
10. Results disclosed at Australian National Average Conditions (ANAC)

Hampton: Using Generic WERS Data			COOLING % impr.	HEATING % impr.	Total Window System Values - ANAC			
Window ID	Glazing ID	FRAME			Uw	SHGCw	Tvw	Air Inf.
<b>Wers Generic Standard Industry Typical Window - Single Glazed</b>								
WER_03_001	3Clr	Generic: Aluminium	0%	0%	5.84	0.859	0.75	5
WER_03_002	3Clr	Generic: Timber or uPVC	15%	15%	4.24	0.736	0.72	5
WER_03_003	6.38CP	Generic: Aluminium	28%	2%	4.6	0.602	0.49	5
WER_03_005	6.38CP	Generic: Timber or uPVC	42%	17%	3.07	0.492	0.47	5
WER_03_015	5Gn	Generic: Aluminium	16%	-10%	5.8	0.701	0.41	5
WER_03_016	5Gn	Generic: Timber or uPVC	30%	6%	4.21	0.586	0.39	5
WER_03_017	5EG	Generic: Aluminium	20%	-13%	5.8	0.655	0.62	5
WER_03_018	5EG	Generic: Timber or uPVC	35%	3%	4.21	0.542	0.59	5
<b>Wers Generic Standard Industry Typical Window - Double Glazed</b>								
WER_03_006	3/6/3	Generic: Aluminium	11%	17%	4.34	0.777	0.68	5
WER_03_008	3/6/3	Generic: Timber or uPVC	26%	31%	2.82	0.659	0.65	5
WER_03_009	3/12/3	Generic: Aluminium	12%	21%	4.07	0.778	0.68	5
WER_03_011	3/12/3	Generic: Timber or uPVC	27%	35%	2.56	0.659	0.65	5
WER_03_019	5Gn/6/5	Generic: Aluminium	29%	5%	4.32	0.596	0.36	5
WER_03_021	5Gn/6/5	Generic: Timber or uPVC	43%	20%	2.8	0.486	0.34	5
<b>Wers Generic Standard Industry Typical Thermally Broken Improved Window - Double Glazed</b>								
WER_03_020	5Gn/6/5	Generic: Aluminium	35%	13%	3.56	0.549	0.36	5

Glazing ID	Glazing Description
3Clr	3mm single clear
6.38CP	single solar control, pyrolytic low-e
3/6/3	3/6/3 clear IG, air fill
3/12/3	3/12/3 clear IG, air fill
3/12/4	3/12/4 pyrolytic low-e IG, argon fill
5Gn	5mm toned
5EG	5mm supertoned
5Gn/6/5	5/6/5 toned IG with air fill
5EG/12Ar/4LE	5/12/4 supertoned low-e IG with argon fill
6EG/10Ar/4LE	6/10/4 supertoned low-e IG with argon fill