

# 2008 WERS Certified Products Directory - NFRC



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## NOTES

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 (AccuRate) according to procedures of WERS 2008.
10. Results disclosed at National Fenestration Rating Council (NFRC) regulations.

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Art Windows				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
<b>WERS Generic Standard Industry Typical uPVC Window - Single Glazed</b>									
WER_03_002	3Clr	★	★★★	21%	24%	5.5	0.69	0.72	5
WER_03_005	6.38LE	★★★★☆	★★★★☆	52%	33%	3.7	0.41	0.47	5
WER_03_016	5Toned	★★	★★☆	38%	16%	5.4	0.50	0.39	5
WER_03_018	5SuperToned	★★☆	★★☆	40%	15%	5.4	0.47	0.59	5
<b>WERS Generic Standard Industry Typical uPVC Window - Double Glazed</b>									
WER_03_008	3/6/3	★★★	★★★★☆	38%	47%	3.3	0.61	0.65	5
WER_03_011	3/12/3	★★★	★★★★★	40%	51%	3.0	0.61	0.65	5
WER_03_014	3/12/4LE	★★★★	★★★★★☆	48%	59%	2.1	0.58	0.59	5
WER_03_021	5SuperToned/6/5	★★★★☆	★★★★★	55%	37%	3.3	0.41	0.34	5

Glazing ID	Glazing Description
3Clr	3mm Clear
5EG	5mm EverGreen
5Gn	5mm Green
6.38CP	6.38mm ComfortPlus Neutral
3/6/3	3mm Clear / 6mm Air Gap / 3mm Clear
3/12/3	3mm Clear/12mm Air Gap/3mm Clear
3/12/4	3mm Clear / 12mm Air Gap / 4mm Clear
5Gn/6/5	5mm Green/6mm Air Gap/5mm Clear
5EG/12Ar/4LE	5mm EverGreen / 12mm Argon Gap / 4mm Low-E
6EG/10Ar/4LE	6mm EverGreen / 10mm Argon / 4mm Low-E