

# 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.

01-Jul-08

Dowell Windows				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
<b>Aluminium Sliding Window - Single Glazed</b>									
DOW_001_01	3Clr	☆	★★☆	10%	17%	6.5	0.75	0.77	1.30
DOW_001_02	4EG	★★	★★	33%	6%	6.4	0.50	0.63	1.30
DOW_001_03	4EA	★★	★★★★	32%	36%	4.6	0.62	0.70	1.30
DOW_001_04	6.38CP	★★★	★★★	46%	28%	4.5	0.45	0.50	1.30
<b>Elite Aluminium Awning Window - Single Glazed</b>									
DOW_002_01	3Clr	★	★★★★☆	20%	33%	6.5	0.65	0.66	0.07
DOW_002_02	4EG	★★	★★★	38%	24%	6.4	0.44	0.54	0.07
DOW_002_03	4EA	★★	★★★★★	37%	49%	4.9	0.54	0.60	0.07
DOW_002_04	6.38CP	★★★	★★★★☆	48%	42%	4.9	0.40	0.43	0.07
<b>Manor Awning Window - Single Glazed</b>									
DOW_003_01	3Clr	☆☆	★★★★☆	26%	31%	6.4	0.59	0.58	0.07
DOW_003_02	4EA	★★☆	★★★★☆	41%	45%	5.0	0.49	0.53	0.07
DOW_003_03	6.38CP	★★★	★★★★	50%	39%	5.0	0.37	0.38	0.07
<b>Manor Awning Window - Double Glazed</b>									
DOW_005_01	3/12/3	★★☆	★★★★★★	39%	63%	3.9	0.58	0.59	0.09
<b>Aluminium Sliding Door - Single Glazed</b>									
DOW_006_01	5Clr	★	★★☆	15%	19%	6.2	0.71	0.75	1.47
DOW_006_02	5EA	★★	★★★★	35%	39%	4.3	0.61	0.69	1.47
DOW_006_03	6.38CP	★★★	★★★☆☆	48%	30%	4.3	0.43	0.49	1.47
<b>Sliding Door - Double Glazed</b>									
DOW_007_01	5/6/5	★★	★★★★	36%	39%	4.2	0.59	0.64	1.47
DOW_007_02	5EG/6/5EA	★★★★	★★★☆☆	56%	31%	3.8	0.35	0.49	1.47
DOW_007_03	5/6/5EA	★★☆	★★★★☆	42%	42%	3.8	0.55	0.59	1.47
<b>J Series Aluminium Sliding Window - Single Glazed</b>									
DOW_008_01	3Clr	☆	★★☆	9%	17%	6.3	0.76	0.78	2.98
DOW_008_02	4EG	★★	★★	33%	6%	6.3	0.51	0.65	2.98
DOW_008_03	4EA	☆☆	★★★★	31%	37%	4.4	0.63	0.72	2.98
DOW_008_04	6.38CP	★★★	★★★☆☆	46%	29%	4.4	0.46	0.52	2.98
<b>Aluminium Double Hung Window - Single Glazed</b>									
DOW_009_01	3Clr	☆	★★☆	12%	18%	6.2	0.74	0.76	3.40
DOW_009_02	4EA	★★	★★★★	34%	37%	4.3	0.61	0.69	3.40
DOW_009_03	6.38CP	★★★	★★★☆☆	48%	29%	4.3	0.44	0.49	3.40
<b>Timber Double Casement Window - Single Glazed</b>									
DOW_010_01	3Clr	★★	★★★★★	37%	49%	4.6	0.56	0.57	5.00

DOW_010_02	4Clr	★★	★★★★★	38%	49%	4.6	0.55	0.57	5.00
DOW_010_03	4EA	★★★★☆	★★★★★☆☆	51%	61%	3.2	0.46	0.52	5.00
DOW_010_04	5Gy	★★★	★★★★★☆☆	49%	41%	4.6	0.40	0.32	5.00
DOW_010_05	6.38CP	★★★★	★★★★★	60%	53%	3.2	0.33	0.37	5.00
DOW_010_06	6.38CPGy	★★★★☆	★★★★★	61%	53%	3.2	0.32	0.25	5.00
<b>Timber Casement Window - Single Glazed</b>									
DOW_011_01	3Clr	★★☆	★★★★★	38%	49%	4.5	0.55	0.56	5.00
DOW_011_02	4Clr	★★☆	★★★★★	39%	49%	4.5	0.54	0.56	5.00
DOW_011_03	4EA	★★★★☆	★★★★★☆☆	52%	60%	3.2	0.45	0.51	5.00
DOW_011_04	5Gy	★★★	★★★★★☆☆	50%	41%	4.5	0.39	0.31	5.00
DOW_011_05	6.38CP	★★★★☆	★★★★★	61%	53%	3.2	0.33	0.37	5.00
DOW_011_06	6.38CPGy	★★★★☆	★★★★★	62%	53%	3.1	0.31	0.24	5.00
<b>Timber Double Hung Window with Jamb liner - Single Glazed</b>									
DOW_012_01	3Clr	★★☆	★★★★☆	30%	29%	4.9	0.63	0.65	5.00
DOW_012_02	4Clr	★★☆	★★★★☆	31%	29%	4.8	0.61	0.64	5.00
DOW_012_03	4EA	★★★	★★★★★☆☆	47%	43%	3.3	0.52	0.59	5.00
DOW_012_04	5Gy	★★★	★★★☆☆	44%	21%	4.8	0.45	0.36	5.00
DOW_012_05	6.38CP	★★★★	★★★★★	57%	36%	3.2	0.37	0.42	5.00
DOW_012_06	6.38CPGy	★★★★	★★★★☆	58%	35%	3.2	0.36	0.28	5.00
<b>Timber Double Hung Window with Spiral - Single Glazed</b>									
DOW_013_01	3Clr	★★☆	★★★★☆	27%	29%	5.0	0.65	0.67	5.00
DOW_013_02	4Clr	★★☆	★★★★☆	29%	29%	4.9	0.64	0.67	5.00
DOW_013_03	4EA	★★★	★★★★★☆☆	45%	44%	3.3	0.53	0.61	5.00
DOW_013_04	5Gy	★★☆	★★★☆☆	43%	21%	4.9	0.46	0.37	5.00
DOW_013_05	6.38CP	★★★★	★★★★★	56%	36%	3.3	0.38	0.44	5.00
DOW_013_06	6.38CPGy	★★★★	★★★★★	57%	35%	3.3	0.37	0.29	5.00