

# 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.

06-May-08

Aluminium Systems				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
<b>Aluminium FV90 Sliding Window - Single Glazed</b>									
ASL_001_01	4Clr	★	★★	15%	12%	6.7	0.69	0.70	0.41
ASL_001_02	5Gy	★★	★★☆	32%	4%	6.6	0.65	0.70	0.41
ASL_001_03	6.38DLam	★	★★	20%	12%	6.6	0.50	0.40	0.41
ASL_001_04	6EcAEG	★★★★☆	★★	53%	14%	5.1	0.42	0.46	0.41
ASL_001_05	6.38CP	★★★	★★★	46%	23%	5.0	0.30	0.38	0.41
<b>Aluminium FV90 Sliding Window - Double Glazed</b>									
ASL_002_01	5/8/4	★★	★★★★★	36%	36%	4.5	0.58	0.62	0.41
ASL_002_02	5Gy/8/4	★★★	★★★★	49%	28%	4.5	0.41	0.35	0.41
ASL_002_04	5/8/4EA	★★☆	★★★★★	42%	41%	4.0	0.54	0.57	0.41
ASL_002_05	6.38DLam/8/4EA	★★☆	★★★★★	44%	39%	4.0	0.52	0.56	0.41
<b>Aluminium FV90 Sliding Door - Single Glazed</b>									
ASL_003_01	4Clr	☆	★★☆	12%	17%	6.5	0.73	0.76	0.35
ASL_003_02	5Gy	★☆☆	★★	31%	8%	6.4	0.53	0.43	0.35
ASL_003_03	6.38DLam	★	★★☆	17%	16%	6.4	0.68	0.75	0.35
ASL_003_04	6EcAEG	★★★★☆	★★☆	55%	19%	4.7	0.31	0.41	0.35
ASL_003_05	6.38CP	★★★	★★★	47%	28%	4.6	0.44	0.50	0.35
<b>Aluminium FV90 Sliding Door - Double Glazed</b>									
ASL_004_01	5/8/4	★★	★★★★☆	33%	42%	4.2	0.63	0.68	0.35
ASL_004_02	5Gy/8/4	★★★	★★★★☆	49%	33%	4.2	0.44	0.38	0.35
ASL_004_04	5/8/4EA	★★☆	★★★★☆	40%	46%	3.7	0.58	0.62	0.35
ASL_004_05	6.38DLam/8/4EA	★★☆	★★★★☆	42%	45%	3.6	0.55	0.62	0.35
<b>Aluminium FV90 Open-out Bifold Door - Single Glazed</b>									
ASL_005_01	4Clr	★☆☆	★★☆	26%	18%	6.0	0.61	0.62	0.63
ASL_005_02	5Gy	★★☆	★★	39%	10%	6.0	0.45	0.35	0.63
ASL_005_03	6.38DLam	★☆☆	★★☆	30%	17%	5.9	0.57	0.62	0.63
ASL_005_04	6EcAEG	★★★★★	★★☆	58%	18%	4.6	0.27	0.33	0.63
ASL_005_05	6.38CP	★★★★☆	★★★	52%	26%	4.4	0.37	0.41	0.63
<b>Aluminium FV90 Open-out Bifold Door - Double Glazed</b>									
ASL_006_01	5/12/4	★★☆	★★★★★	42%	39%	4.1	0.53	0.56	0.63
ASL_006_02	5Gy/12/4	★★★★☆	★★★★☆	54%	30%	4.1	0.37	0.31	0.63
ASL_006_04	5/12/5EA	★★★	★★★★☆	47%	43%	3.5	0.50	0.51	0.63
ASL_006_05	6.38DLam/12/4EA	★★★	★★★★☆	49%	42%	3.5	0.47	0.51	0.63

Aluminium Architectural Sliding Door - Single Glazed									
ASL_007_01	4Clr	★	★★☆	22%	15%	6.3	0.63	0.65	0.24
ASL_007_02	5Gy	★★	★★	36%	7%	6.3	0.46	0.36	0.24
ASL_007_03	6EcAEG	★★★★	★★☆	56%	16%	4.8	0.27	0.35	0.24
ASL_007_04	6.38CP	★★★	★★★	50%	24%	4.7	0.38	0.43	0.24
Aluminium Architectural Sliding Door - Double Glazed									
ASL_008_01	5/12/6	★★☆	★★★★	41%	38%	4.2	0.54	0.57	0.24
ASL_008_02	5Gy/12/6	★★★★☆	★★★★☆	52%	29%	4.2	0.38	0.32	0.24
ASL_008_03	6/12/6.38DLam	★★☆	★★★★	42%	37%	4.2	0.52	0.57	0.24
Aluminium Architectural Stacker Door - Single Glazed									
ASL_009_01	4Clr	★	★★☆	23%	14%	6.3	0.63	0.65	0.73
ASL_009_02	5Gy	★★	★★	36%	6%	6.3	0.46	0.36	0.73
ASL_009_03	6EcAEG	★★★★	★★☆	56%	15%	4.8	0.27	0.35	0.73
ASL_009_04	6.38CP	★★★	★★★	50%	24%	4.7	0.38	0.43	0.73
Aluminium Architectural Stacker Door - Double Glazed									
ASL_010_01	5/12/6	★★☆	★★★★	41%	37%	4.3	0.54	0.57	0.73
ASL_010_02	5Gy/12/6	★★★★☆	★★★★	52%	28%	4.3	0.37	0.32	0.73
ASL_010_03	6/12/6.38DLam	★★☆	★★★★	42%	36%	4.3	0.52	0.57	0.73
F876 Aluminium Casement Awning Window - Single Glazed									
ASL_011_01	4Clr	★	★★★☆	24%	32%	6.4	0.61	0.62	0.36
ASL_011_02	5Gy	★★	★★★	37%	25%	6.4	0.45	0.35	0.36
ASL_011_03	6.38DLam	★☆☆	★★★☆	27%	32%	6.3	0.58	0.62	0.36
ASL_011_04	10.38DLam	★☆☆	★★★☆	30%	31%	6.3	0.55	0.59	0.36
ASL_011_05	6EcAEG	★★★★☆	★★★☆	55%	33%	5.0	0.28	0.33	0.36
ASL_011_06	6.38CP	★★★	★★★★	49%	41%	4.9	0.38	0.41	0.36
F876 Aluminium Casement Awning Window - Double Glazed									
ASL_012_01	5/12/4	★★☆	★★★★★	41%	54%	4.5	0.52	0.54	0.36
ASL_012_02	5Gy/12/4	★★★★☆	★★★★☆	52%	45%	4.5	0.37	0.30	0.36
ASL_012_04	5/12/4EA	★★★	★★★★★☆	46%	58%	4.0	0.49	0.50	0.36
ASL_012_05	5Gy/12/4EA	★★★★	★★★★★	57%	49%	4.0	0.33	0.28	0.36
ASL_012_06	6.38DLam/12/4EA	★★★	★★★★★☆	48%	57%	4.0	0.47	0.50	0.36
F003 Aluminium Casement Awning Window - Single Glazed									
ASL_013_01	4Clr	★	★★★★	21%	34%	6.4	0.65	0.66	0.10
ASL_013_02	5Gy	★★	★★★☆	35%	26%	6.4	0.47	0.37	0.10
ASL_013_03	6.38DLam	★☆☆	★★★★	25%	34%	6.3	0.60	0.66	0.10
ASL_013_04	10.38DLam	★☆☆	★★★★	28%	32%	6.3	0.57	0.63	0.10
ASL_013_05	6EcAEG	★★★★	★★★★	56%	35%	4.9	0.28	0.35	0.10
ASL_013_06	6.38CP	★★★	★★★	49%	24%	4.7	0.39	0.44	0.10
F003 Aluminium Casement Awning Window - Double Glazed									
ASL_014_01	5/12/4	★★☆	★★★★★☆	40%	56%	4.4	0.54	0.57	0.10
ASL_014_02	5Gy/12/4	★★★★☆	★★★★☆	52%	47%	4.4	0.38	0.32	0.10
ASL_014_04	5/12/4EA	★★★	★★★★★☆	45%	61%	3.8	0.51	0.53	0.10
ASL_014_05	5Gy/12/4EA	★★★★	★★★★★	57%	51%	3.8	0.34	0.30	0.10
ASL_014_06	6.38DLam/12/4EA	★★★	★★★★★☆	47%	59%	3.8	0.48	0.53	0.10