

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.m² at a positive pressure difference of 75 Pa as measured according to AS 2047
8. Static performance (U_w , SHGC_w, T_{vw}, T_{sw}) 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.

21-Jul-08

Broadview Aluminium Pty Ltd				%	%	Total Window System Values - NFRC				
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.	
Mk10 Aluminium Awning Window - Double Glazed										
CAS_005_01	6.38CP/8Ar/3	★★★★	★★★★★	58%	54%	3.6	0.34	0.39	0.29	
CAS_005_02	3/10/3	★★	★★★★★☆	38%	59%	4.2	0.58	0.59	0.29	
CAS_005_03	3/10Ar/3EA	★★☆	★★★★★	44%	66%	3.5	0.54	0.54	0.29	
Mk10 Aluminium Awning Window - Single Glazed										
CAS_012_01	3Clr	★	★★★☆☆	20%	31%	6.6	0.65	0.65	0.29	
CAS_012_02	4EA	★★	★★★★☆	37%	47%	5.0	0.54	0.59	0.29	
CAS_012_03	6.38CP	★★★	★★★★	47%	41%	5.0	0.40	0.43	0.29	
Mk5C Aluminium Sliding Door - Single Glazed										
CAS_016_01	5Clr	★	★★★☆☆	15%	19%	6.2	0.71	0.75	1.47	
CAS_016_02	5EA	★★	★★★★	35%	39%	4.3	0.61	0.69	1.47	
CAS_016_03	6.38CP	★★★	★★★★☆	48%	30%	4.3	0.43	0.49	1.47	
Mk5C Aluminium Sliding Door - Double Glazed										
CAS_017_01	5/6/5	★★	★★★★	36%	39%	4.2	0.59	0.64	1.47	
CAS_017_02	5EG/6/5EA	★★★★	★★★★☆	56%	31%	3.8	0.35	0.49	1.47	
CAS_017_03	5/6/5EA	★★☆	★★★★☆	42%	42%	3.8	0.55	0.59	1.47	
Aluminium Sashless Double Hung Window - Single Glazed										
ANE_001_01	6Clr	☆	★★	14%	8%	6.8	0.69	0.57	2.23	
ANE_001_02	6Gy	★★		32%	-1%	6.8	0.49	0.29	2.23	
ANE_001_03	6.38DLam	☆	★★	15%	9%	6.8	0.69	0.57	2.23	
ANE_001_04	6Sn	★★	★★★☆☆	37%	19%	5.5	0.51	0.44	2.23	
ANE_001_05	6EA	★★	★★★	32%	28%	5.1	0.60	0.53	2.23	
ANE_001_06	6.38CP	★★☆	★★★☆☆	44%	21%	5.1	0.44	0.37	2.23	
Aluminium Sashless Double Hung Window - Double Glazed										
ANE_002_01	4/8/4	★★☆	★★★★	31%	36%	4.4	0.64	0.54	3.77	
ANE_002_02	4/8Ar/4EA	★★☆	★★★★☆	39%	45%	3.5	0.60	0.49	3.77	
ANE_002_03	4EG/8Ar/4EA	★★★★	★★★★☆	57%	33%	3.5	0.36	0.41	3.77	
ANE_002_04	4/6/6Sn	★★☆	★★★★	39%	35%	4.2	0.56	0.41	3.77	
ANE_002_05	4/6/6LE	★★	★★★★	37%	38%	4.1	0.59	0.49	3.77	
ANE_002_06	4/6/6.38CP	★★★★	★★★★☆	47%	35%	3.9	0.47	0.35	3.77	
Louvers: 117mm Aluminium Window Frame - Single Glazed										
BRZ_001_01	6Clr	☆	★★★☆☆	12%	17%	6.3	0.73	0.53	1.5	
BRZ_001_02	6Gy	★★	★★	32%	8%	6.3	0.51	0.27	1.5	
BRZ_001_03	6Bz	★★☆	★★	29%	10%	6.3	0.56	0.33	1.5	
BRZ_001_04	6EG	★★	★★☆☆	36%	6%	6.3	0.47	0.40	1.5	
BRZ_001_05	6AB	★★	★★☆☆	36%	5%	6.3	0.47	0.34	1.5	
BRZ_001_06	6SpGy	★★★★		46%	-3%	6.3	0.32	0.05	1.5	
BRZ_001_13	6LE	★★	★★★★	32%	38%	4.5	0.63	0.50	1.5	
BRZ_001_14	6.38CP	★★★★	★★★★☆	45%	30%	4.5	0.46	0.35	1.5	
BRZ_001_15	6.38CPGn	★★★★	★★★★☆	46%	30%	4.4	0.46	0.43	1.5	
101.6 ViewMax Sliding Window - Double Glazed										
ALS_007_01	4In/8/4	★★	★★★★	36%	38%	4.4	0.58	0.61	0.09	
ALS_007_02	4In/8/4EA	★★☆	★★★★☆	42%	42%	3.9	0.54	0.56	0.09	
ALS_007_03	5InEG/8/4	★★★☆☆	★★★★	52%	27%	4.4	0.37	0.50	0.09	
ALS_007_04	5InEG/8/4EA	★★★★	★★★★☆	57%	31%	3.9	0.33	0.46	0.09	
ALS_007_05	6TS21/6/4	★★★★★	★★★☆☆	65%	15%	4.4	0.18	0.12	0.09	
ALS_007_06	6TS21/6/4EA	★★★★★	★★★☆☆	68%	17%	4.1	0.16	0.11	0.09	

101.6 ViewMax Sliding Window - Single Glazed									
ALS_008_01	4Clr	★	★★	18%	13%	6.6	0.67	0.69	0.09
ALS_008_02	6.38CPClr	★★	★★★★☆	38%	31%	4.8	0.54	0.63	0.09
ALS_008_03	6.38CPGn	★★★	★★★★	48%	23%	4.8	0.40	0.55	0.09
ALS_008_04	6.38CPGy	★★★	★★★★	48%	23%	4.8	0.40	0.30	0.09
ALS_008_05	6.38CPNtrl	★★★	★★★★	47%	24%	4.9	0.41	0.45	0.09
ALS_008_06	6.38Lam	★	★★	22%	13%	6.4	0.63	0.68	0.09
ALS_008_07	6AB	★★☆	★★	39%	2%	6.5	0.41	0.41	0.09
ALS_008_08	6EcAd	★★☆	★★★	40%	26%	5.0	0.49	0.51	0.09
ALS_008_09	6EcAdBIGn	★★★	★★★	50%	19%	5.0	0.36	0.44	0.09
ALS_008_10	6EcAdBz	★★★	★★★	50%	19%	5.0	0.36	0.29	0.09
ALS_008_11	6EcAdEAB	★★★☆	★★★	54%	15%	5.0	0.29	0.30	0.09
ALS_008_12	6ECAdEG	★★★☆	★★★	54%	15%	5.0	0.29	0.37	0.09
ALS_008_13	6EcAdGy	★★★☆	★★★	52%	17%	5.0	0.33	0.25	0.09
ALS_008_14	6EG	★★☆	★★	39%	2%	6.5	0.41	0.51	0.09
ALS_008_15	6SpGy	★★★		48%	-5%	6.5	0.28	0.07	0.09
Commercial Sliding Door - Single Glazed									
ALS_009_01	6SpGy	★★★☆	★★	50%	0%	6.0	0.28	0.07	0.38
ALS_009_02	6EG	★★☆	★★	41%	8%	6.0	0.42	0.52	0.38
ALS_009_03	6EcAdGy	★★★☆	★★★	54%	23%	4.5	0.33	0.25	0.38
ALS_009_04	6EcAdEG	★★★★	★★★	57%	21%	4.5	0.29	0.38	0.38
ALS_009_05	6EcAdBz	★★★★	★★★	52%	25%	4.5	0.36	0.30	0.38
ALS_009_06	6EcAdBIGn	★★★☆	★★★	52%	25%	4.5	0.36	0.44	0.38
ALS_009_07	6EcAdAB	★★★★	★★★	57%	20%	4.5	0.29	0.30	0.38
ALS_009_08	6EcAd	★★☆	★★★	43%	33%	4.5	0.50	0.52	0.38
ALS_009_09	6Clr	★	★★	21%	20%	6.0	0.66	0.70	0.38
ALS_009_10	6AB	★★☆	★★	41%	8%	6.0	0.41	0.41	0.38
ALS_009_11	6.38Lam	★	★★	24%	20%	6.0	0.64	0.70	0.38
ALS_009_12	6.38CPNtrl	★★★	★★★★	50%	30%	4.3	0.41	0.46	0.38
ALS_009_13	6.38CPGy	★★★☆	★★★★	51%	29%	4.3	0.40	0.31	0.38
ALS_009_14	6.38CPGn	★★★★	★★★★	50%	30%	4.3	0.40	0.56	0.38
ALS_009_15	6.38CP	★★☆	★★★★	40%	37%	4.3	0.55	0.64	0.38
Commercial Sliding Door - Double Glazed									
ALS_010_01	6/12/6	★★☆	★★★★☆	41%	42%	3.9	0.55	0.59	0.38
ALS_010_02	6.38Lam/12/6.38Lam	★★☆	★★★★☆	44%	41%	3.8	0.52	0.59	0.38
ALS_010_03	6In/12/6	★★★	★★★★	46%	40%	3.9	0.49	0.55	0.38
ALS_010_04	6In/12/6EA	★★★	★★★★☆	47%	47%	3.4	0.52	0.55	0.38
ALS_010_05	6InEG/12/6	★★★★	★★★★	58%	30%	3.9	0.32	0.44	0.38
ALS_010_06	6InEG/12/6EA	★★★★☆	★★★★	63%	33%	3.4	0.28	0.41	0.38
ALS_010_07	6TS21/12/6	★★★★☆	★★★	69%	22%	3.7	0.16	0.12	0.38
ALS_010_08	6TS21/12/6EA	★★★★☆	★★★★	63%	33%	3.4	0.28	0.41	0.38
Hawkesbury Folding Door - Double Glazed									
ALS_011_01	6/12/6	★★★	★★★★	44%	39%	4.0	0.51	0.54	0.47
ALS_011_02	6.38Lam/12/6.38Lam	★★★	★★★★	46%	38%	4.0	0.48	0.54	0.47
ALS_011_03	6In/12/6EA	★★★	★★★★☆	49%	43%	3.5	0.47	0.50	0.47
ALS_011_04	6InEG/12/6	★★★★	★★★	59%	27%	4.0	0.29	0.40	0.47
ALS_011_05	6InEG/12/6EA	★★★★☆	★★★★	64%	30%	3.5	0.25	0.37	0.47
ALS_011_06	6TS21/12/6	★★★★☆	★★★	70%	19%	3.8	0.15	0.11	0.47
ALS_011_07	6TS21/12/6EA	★★★★☆	★★★★	52%	41%	3.5	0.44	0.50	0.47
ALS_011_08	6TS21/12/6EA	★★★★☆	★★★	73%	21%	3.5	0.13	0.10	0.47

Hawkesbury Folding Door - Single Glazed									
ALS_012_01	6Clr	☆☆	☆☆☆	28%	18%	6.0	0.59	0.61	0.47
ALS_012_02	6.38Lam	☆☆	☆☆☆	30%	17%	5.9	0.57	0.62	0.47
ALS_012_03	6.38CP	☆☆☆	☆☆☆☆	44%	33%	4.4	0.49	0.57	0.47
ALS_012_04	6EcAd	☆☆☆	☆☆☆☆	46%	29%	4.6	0.45	0.46	0.47
ALS_012_05	6EG	☆☆☆	☆☆	44%	6%	6.0	0.37	0.46	0.47
ALS_012_06	6AB	☆☆☆	☆☆	44%	6%	6.0	0.37	0.37	0.47
ALS_012_07	6.38CPNtrl	☆☆☆☆	☆☆☆	52%	26%	4.5	0.37	0.41	0.47
ALS_012_08	6.38CPGn	☆☆☆☆	☆☆☆	52%	26%	4.4	0.36	0.49	0.47
ALS_012_09	6.38CPGy	☆☆☆☆	☆☆☆	53%	25%	4.4	0.36	0.27	0.47
ALS_012_10	6EcAdBz	☆☆☆☆	☆☆☆	54%	22%	4.6	0.33	0.26	0.47
ALS_012_11	6EcAdBIGn	☆☆☆☆	☆☆☆	54%	22%	4.6	0.33	0.39	0.47
ALS_012_12	6EcAdGy	☆☆☆☆	☆☆☆	56%	20%	4.6	0.30	0.22	0.47
ALS_012_13	6EcAdGn	☆☆☆☆	☆☆☆	58%	18%	4.6	0.26	0.33	0.47
ALS_012_14	6EcAdAB	☆☆☆☆	☆☆☆	58%	18%	4.6	0.26	0.27	0.47
ALS_012_15	6SpGy	☆☆☆☆	☆☆	52%	0%	6.0	0.26	0.06	0.47
WERS Generic Standard Industry Typical Aluminium Window - Single Glazed									
WER_03_001	3Clr			0%	-5%	7.7	0.78	0.75	5
WER_03_003	6.38LE	☆☆	☆☆	37%	11%	5.8	0.48	0.49	5
WER_03_015	5Toned	☆		21%	-13%	7.7	0.57	0.41	5
WER_03_017	5SuperToned	☆☆		24%	-15%	7.7	0.53	0.62	5