

# 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 ( $U_w$ ,  $SHGC_w$ ,  $T_{vw}$ ,  $T_{dwl}$ ) 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.

07-May-08

Dynamic Window Systems Supplier of Bradnams Products				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
<b>Aluminium Sliding Window - Single Glazed</b>									
BRD_001_01	3Clr	☆	★★☆	8%	18%	6.5	0.76	0.78	0.44
BRD_001_02	4Sn	★★	★★★	37%	28%	5.0	0.54	0.59	0.44
BRD_001_04	6Sn	★★☆	★★★	38%	28%	4.9	0.53	0.59	0.44
BRD_001_05	6SnGn	★★★	★★☆	49%	20%	4.9	0.37	0.48	0.44
BRD_001_06	6SnAz	★★★	★★☆	48%	21%	4.9	0.39	0.48	0.44
BRD_001_07	5PDGy	★★	★★	33%	7%	6.4	0.50	0.19	0.44
<b>Aluminium BiFold Door - Single Glazed</b>									
BRD_006_01	4Clr	★☆	★★☆	26%	17%	6.1	0.61	0.62	0.87
BRD_006_02	4Sn	★★★	★★★	45%	25%	4.8	0.44	0.48	0.87
BRD_006_04	6Sn	★★★	★★★	46%	24%	4.8	0.43	0.47	0.87
BRD_006_05	6SnGn	★★★★☆	★★☆	54%	17%	4.8	0.30	0.39	0.87
BRD_006_06	6SnAz	★★★★☆	★★☆	53%	18%	4.8	0.32	0.39	0.87
BRD_006_07	5PDGy	★★☆	★★	42%	7%	6.0	0.41	0.15	0.87
<b>Aluminium BiFold Door - Double Glazed</b>									
BRD_008_01	4/14/4	★★☆	★★★★	42%	39%	4.1	0.54	0.56	0.87
BRD_008_02	4Sn/14/4	★★★★☆	★★★☆☆	54%	35%	3.7	0.38	0.43	0.87
BRD_008_04	6Sn/12/4	★★★★☆	★★★☆☆	55%	35%	3.7	0.38	0.42	0.87
BRD_008_05	6SnGn/12/4	★★★★☆	★★★	63%	27%	3.7	0.25	0.35	0.87
BRD_008_06	6SnAz/12/4	★★★★☆	★★★	62%	28%	3.7	0.27	0.35	0.87
BRD_008_07	5PDGy/13/4	★★★★	★★★	57%	27%	4.1	0.32	0.14	0.87
<b>Aluminium Casement Window - Single Glazed</b>									
BRD_010_01	4Clr	★☆	★★★	30%	21%	6.9	0.51	0.50	0.08
BRD_010_02	4Sn	★★☆	★★★☆☆	44%	27%	5.9	0.38	0.38	0.08
BRD_010_04	6Sn	★★★	★★★☆☆	45%	27%	5.9	0.37	0.38	0.08
BRD_010_05	6SnGn	★★★★☆	★★★	51%	21%	5.9	0.27	0.31	0.08
BRD_010_06	6SnAz	★★★★☆	★★★	51%	22%	5.9	0.28	0.31	0.08
BRD_010_07	5PDGy	★★☆	★★☆	42%	13%	6.8	0.35	0.12	0.08
<b>Aluminium Casement Window - Double Glazed</b>									
BRD_012_01	4/14/4	★★☆	★★★★	42%	41%	5.2	0.45	0.44	0.08
BRD_012_02	4Sn/14/4	★★★★☆	★★★★	52%	37%	5.0	0.33	0.34	0.08
BRD_012_04	6Sn/12/4	★★★★☆	★★★★	52%	37%	5.0	0.33	0.34	0.08

BRD_012_05	6SnGn/12/4	★★★★	★★★★☆	59%	31%	5.0	0.23	0.28	0.08
BRD_012_06	6SnAz/12/4	★★★★	★★★★☆	58%	32%	5.0	0.24	0.28	0.08
BRD_012_07	5PDGy/13/4	★★★★☆	★★★★☆	54%	31%	5.2	0.28	0.11	0.08
<b>Aluminium Stacker Door - Single Glazed</b>									
BRD_014_01	4Clr	☆	★★★	10%	20%	6.3	0.75	0.78	1.29
BRD_014_02	4Sn	★★☆	★★★★☆	38%	30%	4.8	0.54	0.60	1.29
BRD_014_04	6Sn	★★☆	★★★★☆	39%	30%	4.7	0.53	0.59	1.29
BRD_014_05	6SnGn	★★★★☆	★★★	51%	22%	4.7	0.37	0.49	1.29
BRD_014_06	6SnAz	★★★	★★★	49%	23%	4.7	0.39	0.49	1.29
BRD_014_07	5PDGy	★★	★★	34%	8%	6.2	0.49	0.19	1.29
<b>Aluminium Sliding Door - Single Glazed</b>									
BRD_020_01	4Clr	☆	★★★	10%	18%	6.4	0.75	0.78	1.29
BRD_020_02	4Sn	★★	★★★★☆	38%	29%	4.8	0.54	0.60	1.29
BRD_020_04	6Sn	★★☆	★★★★☆	39%	29%	4.8	0.52	0.59	1.29
BRD_020_05	6SnGn	★★★★☆	★★★	50%	20%	4.8	0.36	0.49	1.29
BRD_020_06	6SnAz	★★★	★★★	49%	22%	4.8	0.39	0.49	1.29
BRD_020_07	5PDGy	★★	★★	34%	7%	6.3	0.49	0.19	1.29
<b>Aluminium Sliding Door - Double Glazed</b>									
BRD_022_01	4/17/4	★★	★★★★☆	35%	43%	4.0	0.61	0.65	1.29
BRD_022_02	4Sn/17/4	★★★★☆	★★★★	52%	39%	3.6	0.44	0.50	1.29
BRD_022_04	6Sn/15/4	★★★★☆	★★★★	52%	39%	3.5	0.43	0.50	1.29
BRD_022_05	6SnGn/15/4	★★★★☆	★★★★☆	62%	30%	3.5	0.28	0.41	1.29
BRD_022_06	6SnAz/15/4	★★★★☆	★★★★☆	61%	32%	3.5	0.30	0.41	1.29
BRD_022_07	5PDGy/16/4	★★★★☆	★★★★☆	55%	31%	4.0	0.36	0.16	1.29
<b>Aluminium Double Hung Window - Single Glazed</b>									
BRD_024_01	3Clr	☆	★★★	11%	15%	6.3	0.74	0.76	4.45
BRD_024_02	4Sn	★★☆	★★★	38%	25%	4.9	0.53	0.58	4.45
BRD_024_04	6Sn	★★☆	★★★	39%	25%	4.8	0.51	0.58	4.45
BRD_024_05	6SnGn	★★★★☆	★★★	50%	17%	4.8	0.36	0.47	4.45
BRD_024_06	6SnAz	★★★	★★★	49%	18%	4.8	0.38	0.47	4.45
BRD_024_07	5PDGy	★★	★★	35%	4%	6.3	0.48	0.18	4.45
<b>Aluminium Awning Window - Single Glazed</b>									
BRD_026_01	3Clr	★	★★★★☆	20%	31%	6.6	0.64	0.64	0.02
BRD_026_02	4Sn	★★☆	★★★★	41%	39%	5.4	0.46	0.49	0.02
BRD_026_04	6Sn	★★☆	★★★★	42%	39%	5.3	0.45	0.49	0.02
BRD_026_05	6SnGn	★★★★☆	★★★★☆	50%	32%	5.3	0.33	0.40	0.02
BRD_026_06	6SnAz	★★★	★★★★☆	49%	33%	5.3	0.35	0.40	0.02
BRD_026_07	5PDGy	★★	★★★	38%	22%	6.5	0.43	0.16	0.02
<b>Aluminium Awning Window - Double Glazed</b>									
BRD_028_01	3/18/4	★★☆	★★★★★	39%	58%	4.2	0.56	0.56	0.02
BRD_028_02	4Sn/17/4	★★★★☆	★★★★★	53%	54%	3.9	0.39	0.43	0.02
BRD_028_04	6Sn/15/4	★★★★☆	★★★★★	54%	54%	3.8	0.39	0.43	0.02
BRD_028_05	6SnGn/15/4	★★★★☆	★★★★☆	62%	46%	3.8	0.26	0.35	0.02
BRD_028_06	6SnAz/15/4	★★★★☆	★★★★☆	61%	47%	3.8	0.28	0.35	0.02
BRD_028_07	5PDGy/16/4	★★★★	★★★★☆	55%	46%	4.2	0.33	0.14	0.02
<b>Orpheus Aluminium French Door - Single Glazed</b>									
BRD_030_01	4Clr	★★☆	★★★	25%	19%	6.0	0.62	0.63	0.18
BRD_030_02	4Sn	★★★	★★★	45%	26%	4.8	0.45	0.48	0.18

BRD_030_04	6Sn	★★★	★★★	45%	26%	4.8	0.44	0.48	0.18
BRD_030_05	6SnGn	★★★★☆	★★★☆	54%	19%	4.8	0.31	0.39	0.18
BRD_030_06	6SnAz	★★★★☆	★★★☆	53%	20%	4.8	0.33	0.39	0.18
BRD_030_07	5PDGy	★★★	★★	41%	9%	6.0	0.42	0.15	0.18
<b>Orpheus Aluminium French Door - Double Glazed</b>									
BRD_032_01	4/14/4	★★★	★★★★★	41%	41%	4.0	0.55	0.56	0.18
BRD_032_02	4Sn/14/4	★★★★☆	★★★★★	54%	37%	3.7	0.39	0.43	0.18
BRD_032_04	6Sn/12/4	★★★★☆	★★★★★	55%	36%	3.7	0.39	0.43	0.18
BRD_032_05	6SnGn/12/4	★★★★★	★★★★☆	63%	29%	3.7	0.26	0.35	0.18
BRD_032_06	6SnAz/12/4	★★★★★	★★★★☆	62%	30%	3.7	0.28	0.35	0.18
BRD_032_07	5PDGy/13/4	★★★★★	★★★★☆	56%	29%	4.0	0.33	0.14	0.18