

# 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.

07-May-08

Canterbury Windows				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
<b>Timber Sliding Window - Single Glazed</b>									
CAN_001_01	3Clr	★☆☆	★★★	26%	28%	5.0	0.66	0.68	5
CAN_001_02	4EG	★☆☆	★★★★☆	26%	28%	5.0	0.65	0.68	5
CAN_001_03	4SB	★★★	★★★	37%	23%	5.0	0.53	0.47	5
CAN_001_04	4SGy	★★★☆☆	★★★☆☆	40%	21%	5.0	0.50	0.42	5
CAN_001_05	6Sn	★★★★	★★★★☆	49%	34%	3.7	0.45	0.51	5
CAN_001_06	6.38CP	★★★★☆	★★★★★	55%	35%	3.4	0.39	0.44	5
<b>Timber Sliding Window - Double Glazed</b>									
CAN_002_01	3/6/3	★★★☆☆	★★★★★	43%	49%	3.0	0.58	0.61	5
CAN_002_02	3EG/6/3	★★★★	★★★★★	57%	39%	3.0	0.40	0.52	5
CAN_002_03	5EG/6/5	★★★★	★★★★★	59%	37%	3.0	0.36	0.49	5
CAN_002_04	3/12/3	★★★☆☆	★★★★★	44%	52%	2.7	0.58	0.61	5
CAN_002_05	3EG/12/3	★★★★	★★★★☆	58%	42%	2.7	0.39	0.52	5
<b>Timber Awning Window - Single Glazed</b>									
CAN_003_01	3Clr	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_003_02	4EG	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_003_03	4SB	★★★☆☆	★★★★☆	43%	46%	4.9	0.48	0.42	0.17
CAN_003_04	4SGy	★★★★	★★★★☆	45%	45%	4.9	0.45	0.37	0.17
CAN_003_05	6Sn	★★★★☆	★★★★★☆☆	53%	56%	3.8	0.41	0.45	0.17
CAN_003_06	6.38CP	★★★★	★★★★★☆☆	58%	57%	3.4	0.35	0.39	0.17
<b>Timber Awning Window - Double Glazed</b>									
CAN_003_01	3Clr	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_003_02	4EG	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_003_03	4SB	★★★☆☆	★★★★☆	43%	46%	4.9	0.48	0.42	0.17
CAN_003_04	4SGy	★★★★	★★★★☆	45%	45%	4.9	0.45	0.37	0.17
CAN_003_05	6Sn	★★★★☆	★★★★★☆☆	53%	56%	3.8	0.41	0.45	0.17
<b>Timber Casement Window - Single Glazed</b>									
CAN_005_01	3Clr	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_005_02	4EG	★★★	★★★★★	34%	51%	4.9	0.58	0.60	0.17
CAN_005_03	4SB	★★★☆☆	★★★★☆	43%	46%	4.9	0.48	0.42	0.17
CAN_005_04	4SGy	★★★★	★★★★☆	45%	45%	4.9	0.45	0.37	0.17
CAN_005_05	6Sn	★★★★☆	★★★★★☆☆	53%	56%	3.8	0.41	0.45	0.17
CAN_005_06	6.38CP	★★★★	★★★★★☆☆	58%	57%	3.4	0.35	0.39	0.17
<b>Timber Casement Window - Double Glazed</b>									
CAN_006_01	3/6/3	★★★★☆	★★★★★☆☆	52%	71%	2.7	0.48	0.51	0.79
CAN_006_02	3EG/6/3	★★★★☆	★★★★★	63%	63%	2.7	0.33	0.43	0.79
CAN_006_03	5EG/6/5	★★★★★	★★★★★	65%	61%	2.7	0.30	0.41	0.79

CAN_006_04	3/12/3	★★★★☆	★★★★★★★	54%	74%	2.5	0.48	0.51	0.79
CAN_006_05	3EG/12/3	★★★★☆	★★★★★★★	64%	65%	2.5	0.33	0.43	0.79
<b>Timber Double Hung Window - Single Glazed</b>									
CAN_007_01	3Clr	★☆☆	★★★★☆	28%	32%	5.0	0.64	0.66	1.41
CAN_007_02	4EG	★☆☆	★★★★☆	29%	31%	5.0	0.63	0.66	1.41
CAN_007_03	4SB	★★☆☆	★★★	39%	26%	5.0	0.51	0.46	1.41
CAN_007_04	4SGy	★★☆☆	★★★	41%	24%	5.0	0.48	0.41	1.41
CAN_007_05	6Sn	★★★★☆	★★★★★	51%	37%	3.7	0.44	0.50	1.41
CAN_007_06	6.38CP	★★★★	★★★★★	57%	38%	3.4	0.38	0.43	1.41
<b>Counterbalanced Window - Single Glazed</b>									
CAN_008_01	3Clr	★★	★★★★☆	33%	31%	4.7	0.60	0.63	4.74
CAN_008_02	4EG	★★	★★★★☆	33%	31%	4.6	0.60	0.63	4.74
CAN_008_03	4SB	★★☆☆	★★★	42%	26%	4.6	0.49	0.44	4.74
CAN_008_04	4SGy	★★★	★★★	45%	24%	4.6	0.46	0.39	4.74
CAN_008_05	6Sn	★★★★☆	★★★★★	53%	36%	3.4	0.42	0.47	4.74
CAN_008_06	6.38CP	★★★★	★★★★★	59%	37%	3.1	0.36	0.41	4.74
<b>Counterbalanced Window - Double Glazed</b>									
CAN_009_01	3/6/3	★★★	★★★★★	47%	49%	2.8	0.54	0.57	4.74
CAN_009_02	3EG/6/3	★★★★	★★★★★	60%	40%	2.8	0.37	0.48	4.74
CAN_009_03	5EG/6/5	★★★★☆	★★★★★	62%	38%	2.8	0.33	0.46	4.74
CAN_009_04	3/12/3	★★★	★★★★★	49%	52%	2.6	0.54	0.57	4.74
CAN_009_05	3EG/12/3	★★★★☆	★★★★☆	61%	43%	2.5	0.36	0.48	4.74
<b>Timber Bifold Window - Single Glazed</b>									
CAN_010_01	3Clr	★★☆☆	★★★★☆	39%	30%	4.8	0.53	0.54	0.22
CAN_010_02	4EG	★★☆☆	★★★★☆	39%	30%	4.8	0.53	0.54	0.22
CAN_010_03	4SB	★★★	★★★	46%	25%	4.8	0.43	0.38	0.22
CAN_010_04	4SGy	★★★	★★★	48%	24%	4.8	0.40	0.33	0.22
CAN_010_05	6Sn	★★★★	★★★★☆	55%	34%	3.8	0.37	0.41	0.22
CAN_010_06	6.38CP	★★★★	★★★★☆	60%	34%	3.5	0.32	0.35	0.22
<b>Timber Sliding Door - Single Glazed</b>									
CAN_011_01	3Clr	★☆☆	★★★★☆	26%	31%	4.9	0.66	0.69	5
CAN_011_02	4EG	★☆☆	★★★★☆	27%	31%	4.9	0.66	0.69	5
CAN_011_03	4SB	★★	★★★	38%	25%	4.8	0.53	0.48	5
CAN_011_04	4SGy	★★☆☆	★★★	40%	24%	4.8	0.50	0.42	5
CAN_011_05	6Sn	★★★★☆	★★★★★	50%	37%	3.5	0.45	0.52	5
CAN_011_06	6.38CP	★★★★	★★★★★	57%	38%	3.1	0.39	0.45	5
<b>Timber Sliding Door - Double Glazed</b>									
CAN_012_03	5EG/6/5	★★★★	★★★★★	59%	38%	2.9	0.36	0.50	5
<b>Tri-slide Door - Single Glazed</b>									
CAN_013_01	3Clr	★★	★★★★☆	35%	32%	4.6	0.59	0.60	4.01
CAN_013_02	4EG	★★	★★★★☆	35%	32%	4.6	0.58	0.60	4.01
CAN_013_03	4SB	★★☆☆	★★★	44%	26%	4.6	0.47	0.42	4.01
CAN_013_04	4SGy	★★★	★★★	46%	25%	4.6	0.44	0.37	4.01
CAN_013_05	6Sn	★★★★☆	★★★★★	54%	37%	3.4	0.40	0.45	4.01
CAN_013_06	6.38CP	★★★★	★★★★★	60%	37%	3.1	0.35	0.39	4.01
<b>Timber Bifold Door - Single Glazed</b>									
CAN_014_01	3Clr	★★☆☆	★★★★★	43%	38%	4.1	0.52	0.53	0.12
CAN_014_02	4EG	★★☆☆	★★★★★	43%	38%	4.1	0.52	0.53	0.12
CAN_014_03	4SB	★★★★☆	★★★★☆	50%	33%	4.1	0.42	0.37	0.12
CAN_014_04	4SGy	★★★★☆	★★★★☆	52%	32%	4.1	0.39	0.33	0.12
CAN_014_05	6Sn	★★★★	★★★★☆	60%	42%	3.1	0.36	0.40	0.12
CAN_014_06	6.38CP	★★★★☆	★★★★☆	64%	42%	2.8	0.31	0.35	0.12
<b>Timber Bifold Door - Double Glazed</b>									

CAN_015_03	5EG/6/5	★★★★★	★★★★☆	66%	42%	2.6	0.29	0.39	0.12
<b>Timber Double Hung Window - Double Glazed</b>									
CAN_016_01	3/6/3	★★★☆☆	★★★★☆	44%	47%	3.1	0.56	0.60	5
CAN_016_02	3EG/6/3	★★★★★	★★★★★	57%	37%	3.1	0.39	0.51	5
CAN_016_03	5EG/6/5	★★★★★	★★★★★	59%	36%	3.1	0.35	0.48	5
CAN_016_04	3/12/3	★★★★	★★★★★	45%	50%	2.8	0.57	0.60	5
CAN_016_05	3EG/12/3	★★★★★	★★★★★	59%	40%	2.8	0.38	0.51	5
<b>Timber Bifold Window - Double Glazed</b>									
CAN_017_01	3/6/3	★★★★☆	★★★★★	51%	41%	3.2	0.47	0.49	5
CAN_017_02	3EG/6/3	★★★★☆	★★★★☆	61%	33%	3.2	0.32	0.42	5
CAN_017_03	5EG/6/5	★★★★☆	★★★★☆	63%	31%	3.2	0.29	0.39	5
CAN_017_04	3/12/3	★★★★☆	★★★★☆	52%	44%	3.0	0.47	0.49	5
CAN_017_05	3EG/12/3	★★★★☆	★★★★★	62%	35%	3.0	0.32	0.42	5
<b>Tri-slide Door - Double Glazed</b>									
CAN_018_03	5EG/6/5	★★★★☆	★★★★★	62%	36%	2.9	0.32	0.44	5