

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_{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.

05-May-2008

Affinity Windows				%	%	Total Window System Values - NFRC			
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGCw	Tvw	Air Inf.
Aluminium 2 Lite Sliding Window - Single Glazed									
BGC_001_01	4GryPI	★	★★	23%	9%	6.7	0.61	0.49	0.06
BGC_001_02	4GrnPI	★☆☆	★★	26%	7%	6.7	0.57	0.68	0.06
BGC_001_03	4BluPI	★★		37%	0%	6.7	0.43	0.41	0.06
BGC_001_04	4BrzPI	★	★★	21%	10%	6.7	0.63	0.53	0.06
BGC_001_05	4Clr Sngy	★★	★★★	36%	25%	5.3	0.53	0.59	0.06
BGC_001_06	5GryPI	★☆☆	★★	26%	8%	6.6	0.57	0.43	0.06
BGC_001_07	5GrnPI	★☆☆	★★☆	29%	6%	6.6	0.53	0.65	0.06
BGC_001_08	5BrzPI	★☆☆	★★	24%	9%	6.6	0.60	0.48	0.06
BGC_001_09	5Supgry	★★☆		44%	-5%	6.6	0.33	0.11	0.06
BGC_001_10	6GryPI	★☆☆	★★	27%	7%	6.7	0.56	0.38	0.06
BGC_001_11	6GrnPI	★☆☆	★★☆	30%	5%	6.7	0.53	0.63	0.06
BGC_001_12	6BluPI	★★☆		40%	-2%	6.7	0.39	0.30	0.06
BGC_001_13	6BrzPI	★☆☆	★★	25%	8%	6.7	0.59	0.43	0.06
BGC_001_14	6Clr	☆☆	★★☆	10%	15%	6.7	0.74	0.76	0.06
BGC_001_15	6SuprGry	★★☆		44%	-5%	6.7	0.33	0.07	0.06
BGC_001_16	6GrnPanasap	★☆☆	★★☆	31%	5%	6.7	0.51	0.60	0.06
BGC_001_17	6Clr Sngy	★★	★★★	35%	25%	5.3	0.54	0.58	0.06
BGC_001_18	6Grn Sngy	★★★	★★☆	47%	17%	5.3	0.39	0.48	0.06
BGC_001_19	6Brz Sngy	★★☆	★★☆	44%	21%	5.2	0.43	0.35	0.06
BGC_001_20	6AzBlu Sngy	★★★	★★☆	45%	19%	5.3	0.41	0.48	0.06
BGC_001_21	6.38Clr Sngy	★★	★★★	37%	26%	5.2	0.53	0.58	0.06
BGC_001_22	6.38Grn Sngy	★★☆	★★★	40%	23%	5.2	0.49	0.48	0.06
BGC_001_23	6.38Gry Sngy	★★★	★★☆	46%	19%	5.2	0.41	0.27	0.06
BGC_001_24	6.38CP Clr	★★	★★★☆☆	33%	33%	4.8	0.60	0.70	0.06
BGC_001_25	6.38CP Grn	★★★	★★★	45%	26%	4.8	0.44	0.61	0.06
BGC_001_26	6.38CP Gry	★★★	★★★	46%	26%	4.8	0.44	0.33	0.06
BGC_001_27	6.38CP Ntrl	★★★	★★★	45%	26%	4.8	0.45	0.50	0.06
Aluminium 2 Lite Sliding Door - Single Glazed									
BGC_002_01	5GryPI	★☆☆	★★	30%	14%	6.2	0.55	0.42	0.28
BGC_002_02	5GrnPI	★★	★★	33%	12%	6.2	0.52	0.64	0.28
BGC_002_03	5BrzPI	★☆☆	★★☆	28%	15%	6.2	0.58	0.47	0.28
BGC_002_04	5Supgry	★★★	★★☆	47%	1%	6.2	0.31	0.10	0.28
BGC_002_05	6GryPI	★★	★★	33%	12%	6.1	0.52	0.37	0.28
BGC_002_06	6GrnPI	★★	★★	35%	11%	6.1	0.49	0.61	0.28
BGC_002_07	6BluPI	★★★	★★☆	45%	3%	6.1	0.35	0.29	0.28

BGC_002_08	6BrzPI	☆☆	★★	31%	14%	6.1	0.55	0.42	0.28
BGC_002_09	6Clr	★	★★☆	17%	20%	6.1	0.70	0.74	0.28
BGC_002_10	6Supgry	★★★		49%	0%	6.1	0.29	0.07	0.28
BGC_002_11	6GrnPanasap	★★	★★	37%	10%	6.1	0.47	0.59	0.28
BGC_002_12	6Clr Sngy	★★☆	★★★☆	41%	30%	4.7	0.50	0.57	0.28
BGC_002_13	6Grn Sngy	★★★☆	★★★	52%	22%	4.7	0.35	0.47	0.28
BGC_002_14	6Brz Sngy	★★★	★★★	50%	25%	4.6	0.39	0.35	0.28
BGC_002_15	6AzBlu Sngy	★★★☆	★★★	51%	23%	4.7	0.37	0.47	0.28
BGC_002_16	6.38Clr Sngy	★★☆	★★★☆	43%	30%	4.6	0.49	0.57	0.28
BGC_002_17	6.38Grn Sngy	★★★	★★★	46%	28%	4.6	0.44	0.47	0.28
BGC_002_18	6.38Gry Sngy	★★★☆	★★★	51%	24%	4.6	0.37	0.27	0.28
BGC_002_19	6.38CP Clr	★★	★★★★	37%	39%	4.3	0.58	0.69	0.28
BGC_002_20	6.38CP Grn	★★★	★★★☆	49%	31%	4.3	0.43	0.60	0.28
BGC_002_21	6.38CP Gry	★★★	★★★☆	50%	31%	4.3	0.42	0.33	0.28
BGC_002_22	6.38CP Ntrl	★★★	★★★☆	48%	31%	4.3	0.43	0.49	0.28

Aluminium Double Hung - Single Glazed

BGC_004_01	3Clr	☆	★★	13%	14%	6.4	0.72	0.74	3.61
BGC_004_02	4Clr	☆	★★	15%	14%	6.3	0.70	0.73	3.61
BGC_004_03	5Clr	★	★★	16%	14%	6.4	0.70	0.73	3.61
BGC_004_04	5Gy	★★	★★☆	32%	6%	6.4	0.52	0.41	3.61
BGC_004_05	6.38Lam	★	★★☆	18%	15%	6.2	0.68	0.73	3.61
BGC_004_06	6.38CP	★★★	★★★	47%	25%	4.5	0.43	0.48	3.61
BGC_004_07	6.38CPGy	★★★	★★★	48%	24%	4.5	0.41	0.32	3.61
BGC_004_08	6.38CPGn	★★★	★★★	48%	25%	4.5	0.42	0.59	3.61
BGC_004_09	4GryPI	☆☆	★★	27%	8%	6.4	0.58	0.46	3.61
BGC_004_10	4GrnPI	☆☆	★★☆	30%	6%	6.4	0.54	0.65	3.61
BGC_004_11	4BluPI	★★☆		40%	-1%	6.4	0.40	0.39	3.61
BGC_004_12	4BrzPI	☆☆	★★	25%	9%	6.4	0.60	0.51	3.61
BGC_004_13	4Clr Sngy	★★☆	★★★	39%	23%	5.0	0.51	0.56	3.61
BGC_004_14	5GryPI	☆☆	★★	30%	7%	6.4	0.54	0.41	3.61
BGC_004_15	5GrnPI	★★	★★☆	32%	5%	6.4	0.51	0.62	3.61
BGC_004_16	5BrzPI	☆☆	★★	28%	8%	6.4	0.57	0.46	3.61
BGC_004_17	5Supgry	★★★		46%	-6%	6.4	0.31	0.10	3.61
BGC_004_18	6GryPI	★★	★★☆	32%	6%	6.3	0.51	0.36	3.61
BGC_004_19	6GrnPI	★★	★★☆	35%	4%	6.3	0.48	0.60	3.61
BGC_004_20	6BluPI	★★☆		44%	-3%	6.3	0.35	0.28	3.61
BGC_004_21	6BrzPI	☆☆	★★	30%	7%	6.3	0.54	0.41	3.61
BGC_004_22	6Clr	★	★★	17%	13%	6.3	0.68	0.72	3.61
BGC_004_23	6Supgry	★★★		48%	-7%	6.3	0.29	0.07	3.61
BGC_004_24	6GrnPanasap	★★	★★☆	36%	3%	6.3	0.47	0.58	3.61
BGC_004_25	6Clr Sngy	★★☆	★★★	40%	23%	5.0	0.50	0.56	3.61
BGC_004_26	6Grn Sngy	★★★☆	★★★☆	50%	15%	5.0	0.35	0.46	3.61
BGC_004_27	6Brz Sngy	★★★	★★☆	48%	18%	4.9	0.39	0.34	3.61
BGC_004_28	6AzBlu Sngy	★★★	★★☆	49%	16%	5.0	0.37	0.46	3.61
BGC_004_29	6.38Clr Sngy	★★☆	★★★	41%	23%	4.9	0.48	0.55	3.61
BGC_004_30	6.38Grn Sngy	★★★	★★★☆	44%	21%	4.9	0.44	0.46	3.61
BGC_004_31	6.38Gry Sngy	★★★	★★★☆	50%	17%	4.9	0.36	0.26	3.61
BGC_004_32	6.38CP Clr	★★	★★★★☆	36%	32%	4.6	0.57	0.67	3.61
BGC_004_33	6.38CP Grn	★★★	★★★	48%	24%	4.6	0.42	0.58	3.61
BGC_004_34	6.38CP Gry	★★★	★★★	48%	24%	4.6	0.41	0.32	3.61

BGC_004_35	6.38CP Ntrl	★★★	★★★	47%	24%	4.6	0.43	0.48	3.61
Aluminium Sliding Window - Single Glazed									
BGC_007_01	3Clr	☆	★★★★☆	11%	33%	6.7	0.73	0.75	0.2
BGC_007_02	4Clr	☆	★★★★☆	12%	33%	6.7	0.72	0.74	0.2
BGC_007_03	5Clr	☆	★★★★☆	14%	33%	6.6	0.71	0.74	0.2
BGC_007_04	5Gy	☆☆	★★★	30%	25%	6.6	0.52	0.42	0.2
BGC_007_05	6.38Lam	★	★★★★	16%	34%	6.5	0.69	0.74	0.2
BGC_007_06	6.38CP	★★★	★★★★☆	45%	45%	4.8	0.44	0.49	0.2
BGC_007_07	6.38CPGy	★★★	★★★★☆	46%	44%	4.8	0.42	0.32	0.2
BGC_007_08	6.38CPGn	★★★	★★★★☆	46%	45%	4.8	0.43	0.59	0.2
BGC_007_09	4GryPl	★	★★★★☆	20%	33%	6.5	0.65	0.55	0.2
BGC_007_10	4GrnPl	☆☆	★★★★☆	26%	31%	6.4	0.59	0.70	0.2
BGC_007_11	4BluPl	★★	★★★	38%	24%	6.4	0.44	0.42	0.2
BGC_007_12	4BrzPl	★	★★★★	21%	34%	6.4	0.65	0.55	0.2
BGC_007_13	4Clr Sngy	★★	★★★★★	37%	50%	4.9	0.55	0.60	0.2
BGC_007_14	5GryPl	☆☆	★★★★☆	26%	32%	6.4	0.59	0.44	0.2
BGC_007_15	5GrnPl	☆☆	★★★★☆	29%	30%	6.4	0.55	0.67	0.2
BGC_007_16	5BrzPl	☆☆	★★★★☆	24%	33%	6.4	0.61	0.49	0.2
BGC_007_17	5Supgry	★★★	★★★	45%	19%	6.4	0.34	0.11	0.2
BGC_007_18	6GryPl	☆☆	★★★★☆	29%	31%	6.3	0.56	0.39	0.2
BGC_007_19	6GrnPl	★★	★★★★☆	32%	29%	6.3	0.52	0.65	0.2
BGC_007_20	6BluPl	★★☆	★★★	42%	22%	6.3	0.38	0.30	0.2
BGC_007_21	6BrzPl	☆☆	★★★★☆	24%	33%	6.4	0.61	0.49	0.2
BGC_007_22	6Clr	☆	★★★★	12%	39%	6.3	0.74	0.78	0.2
BGC_007_23	6Supgry	★★★	★★★	46%	18%	6.3	0.32	0.08	0.2
BGC_007_24	6GrnPanasap	★★	★★★★☆	33%	28%	6.3	0.50	0.62	0.2
BGC_007_25	6Clr Sngy	★★	★★★★★	38%	50%	4.8	0.54	0.60	0.2
BGC_007_26	6Grn Sngy	★★★	★★★★☆	49%	41%	4.9	0.38	0.49	0.2
BGC_007_27	6Brz Sngy	★★★	★★★★☆	47%	44%	4.8	0.42	0.36	0.2
BGC_007_28	6AzBlu Sngy	★★★	★★★★☆	48%	42%	4.9	0.40	0.49	0.2
BGC_007_29	6.38Clr Sngy	★★☆	★★★★★	39%	50%	4.8	0.52	0.60	0.2
BGC_007_30	6.38Grn Sngy	★★☆	★★★★☆	43%	47%	4.8	0.48	0.49	0.2
BGC_007_31	6.38Gry Sngy	★★★	★★★★☆	49%	43%	4.8	0.40	0.28	0.2
BGC_007_32	6.38CP Clr	★★	★★★★☆	33%	59%	4.4	0.62	0.72	0.2
BGC_007_33	6.38CP Grn	★★★	★★★★★	46%	51%	4.4	0.46	0.63	0.2
BGC_007_34	6.38CP Gry	★★★	★★★★★	47%	50%	4.4	0.45	0.34	0.2
BGC_007_35	6.38CP Ntrl	★★★	★★★★★	45%	51%	4.4	0.46	0.52	0.2
Aluminium 2 Lite Hinged Door - Single Glazed									
BGC_011_01	5GryPl	★★	★★☆	33%	16%	5.9	0.53	0.40	0.14
BGC_011_02	5GrnPl	★★	★★	36%	14%	5.9	0.50	0.60	0.14
BGC_011_03	5BrzPl	☆☆	★★☆	31%	17%	5.9	0.55	0.44	0.14
BGC_011_04	5Supgry	★★★	☆☆	49%	3%	5.9	0.30	0.10	0.14
BGC_011_05	6GryPl	★★	★★☆	36%	15%	5.9	0.50	0.35	0.14
BGC_011_06	6GrnPl	★★	★★	38%	13%	5.9	0.47	0.58	0.14
BGC_011_07	6BluPl	★★★	☆☆	47%	6%	5.9	0.34	0.27	0.14
BGC_011_08	6BrzPl	★★	★★☆	34%	16%	5.9	0.53	0.40	0.14
BGC_011_09	6Clr	★	★★★	21%	22%	5.9	0.66	0.70	0.14
BGC_011_10	6Supgry	★★★☆☆	☆☆	50%	3%	5.9	0.29	0.07	0.14
BGC_011_11	6GrnPanasap	★★☆	★★	39%	12%	5.9	0.45	0.56	0.14

BGC_011_12	6Clr Sngy	★★☆	★★★★☆	43%	31%	4.6	0.48	0.54	0.14
BGC_011_13	6Grn Sngy	★★★★☆	★★★★	53%	23%	4.6	0.34	0.44	0.14
BGC_011_14	6Brz Sngy	★★★★☆	★★★★	51%	26%	4.5	0.38	0.33	0.14
BGC_011_15	6AzBlu Sngy	★★★★☆	★★★★	52%	24%	4.6	0.36	0.44	0.14
BGC_011_16	6.38Clr Sngy	★★★	★★★★☆	45%	31%	4.5	0.47	0.53	0.14
BGC_011_17	6.38Grn Sngy	★★★★☆	★★★★	53%	23%	4.6	0.34	0.44	0.14
BGC_011_18	6.38Gry Sngy	★★★★☆	★★★★	53%	25%	4.5	0.36	0.25	0.14
BGC_011_19	6.38CP Clr	★★☆	★★★★★	40%	40%	4.1	0.55	0.65	0.14
BGC_011_20	6.38CP Grn	★★★★☆	★★★★☆	51%	32%	4.2	0.41	0.56	0.14
BGC_011_21	6.38CP Gry	★★★★☆	★★★★☆	51%	32%	4.2	0.40	0.31	0.14
BGC_011_22	6.38CP Ntrl	★★★	★★★★☆	50%	32%	4.2	0.42	0.47	0.14

Aluminium Awning Window - Single Glazed

BGC_012_001	5GryPI	☆☆	★★★★☆	31%	29%	6.1	0.54	0.41	5
BGC_012_002	5GrnPI	★★	★★★★☆	34%	27%	6.1	0.51	0.63	5
BGC_012_003	5BrzPI	☆☆	★★★★☆	29%	30%	6.1	0.57	0.46	5
BGC_012_004	5Supgry	★★★	★★★	48%	15%	6.1	0.31	0.10	5
BGC_012_005	6GryPI	★★	★★★★☆	33%	27%	6.1	0.51	0.37	5
BGC_012_006	6GrnPI	★★	★★★★	36%	26%	6.1	0.48	0.61	5
BGC_012_007	6BluPI	★★★	★★★★	45%	18%	6.1	0.34	0.29	5
BGC_012_008	6BrzPI	★★	★★★★☆	31%	29%	6.1	0.54	0.42	5
BGC_012_009	6Clr	★	★★★★★	18%	35%	6.1	0.68	0.73	5
BGC_012_010	6Supgry	★★★	★★★	49%	14%	6.1	0.29	0.07	5
BGC_012_011	6GrnPanasap	★★	★★★★	37%	25%	6.1	0.46	0.58	5
BGC_012_012	6Clr Sngy	★★☆	★★★★☆	42%	45%	4.7	0.49	0.56	5
BGC_012_013	6Grn Sngy	★★★★☆	★★★★★	52%	37%	4.7	0.34	0.46	5
BGC_012_014	6Brz Sngy	★★★★☆	★★★★★	51%	38%	4.7	0.36	0.46	5
BGC_012_015	6AzBlu Sngy	★★★★☆	★★★★★	51%	38%	4.7	0.36	0.46	5
BGC_012_016	6.38Clr Sngy	★★☆	★★★★☆	43%	45%	4.6	0.48	0.56	5
BGC_012_017	6.38Grn Sngy	★★★	★★★★☆	46%	43%	4.6	0.44	0.46	5
BGC_012_018	6.38Gry Sngy	★★★★☆	★★★★★	51%	38%	4.6	0.36	0.26	5
BGC_012_019	6.38CP Clr	★★	★★★★★	38%	54%	4.2	0.57	0.68	5
BGC_012_020	6.38CP Grn	★★★	★★★★☆	49%	46%	4.2	0.42	0.59	5
BGC_012_021	6.38CP Gry	★★★	★★★★☆	50%	46%	4.2	0.41	0.32	5
BGC_012_022	6.38CP Ntrl	★★★	★★★★☆	49%	46%	4.3	0.42	0.49	5

Aluminium Awning Window - Single Glazed

BGC_018_01	3Clr	★	★★★★☆	17%	26%	7.0	0.66	0.65	0.29
BGC_018_02	4Clr	★	★★★★☆	18%	26%	6.9	0.65	0.65	0.29
BGC_018_03	5Clr	★	★★★★☆	19%	26%	6.9	0.64	0.65	0.29
BGC_018_04	5Gy	★★	★★★★	32%	19%	6.9	0.48	0.37	0.29
BGC_018_05	6.38Lam	★	★★★★☆	21%	27%	6.8	0.62	0.65	0.29
BGC_018_06	6.38CP	★★★	★★★★★	44%	36%	5.4	0.41	0.43	0.29
BGC_018_07	6.38CPGy	★★★	★★★★★	45%	35%	5.4	0.40	0.28	0.29
BGC_018_08	6.38CPGn	★★★	★★★★★	45%	36%	5.4	0.40	0.52	0.29

Aluminium Awning Window - Single Glazed

BGC_020_01	4GryPI	☆☆	★★★	27%	17%	6.9	0.54	0.41	5.00
BGC_020_02	4GrnPI	☆☆	★★★	30%	15%	6.9	0.51	0.58	5.00
BGC_020_03	4BluPI	★★☆	★★	38%	9%	6.9	0.39	0.35	5.00

BGC_020_04	4BrzPI	☆☆	☆☆☆	26%	18%	6.9	0.56	0.45	5.00
BGC_020_05	4Clr Sngy	☆☆	☆☆☆☆	38%	30%	5.7	0.48	0.50	5.00
BGC_020_06	5GryPI	☆☆	☆☆☆	30%	16%	6.8	0.51	0.37	5.00
BGC_020_07	5GrnPI	☆☆	☆☆☆	32%	14%	6.8	0.48	0.55	5.00
BGC_020_08	5BrzPI	☆☆	☆☆☆	28%	17%	6.8	0.53	0.41	5.00
BGC_020_09	5Supgry	☆☆☆	☆☆	44%	5%	6.8	0.31	0.09	5.00
BGC_020_10	6GryPI	☆☆	☆☆☆	32%	15%	6.8	0.48	0.32	5.00
BGC_020_11	6GrnPI	☆☆	☆☆☆	34%	14%	6.8	0.45	0.53	5.00
BGC_020_12	6BluPI	☆☆☆	☆☆	42%	7%	6.8	0.34	0.25	5.00
BGC_020_13	6BrzPI	☆☆	☆☆☆	30%	16%	6.8	0.50	0.37	5.00
BGC_020_14	6Clr	☆	☆☆☆	20%	22%	6.8	0.63	0.64	5.00
BGC_020_15	6Supgry	☆☆☆	☆☆	45%	4%	6.8	0.29	0.06	5.00
BGC_020_16	6GrnPanasap	☆☆	☆☆☆	35%	13%	6.8	0.44	0.51	5.00
BGC_020_17	6Clr Sngy	☆☆☆	☆☆☆☆	39%	31%	5.7	0.47	0.49	5.00
BGC_020_18	6Grn Sngy	☆☆☆	☆☆☆☆	42%	29%	5.6	0.42	0.41	5.00
BGC_020_19	6Brz Sngy	☆☆☆	☆☆☆	45%	26%	5.6	0.38	0.30	5.00
BGC_020_20	6AzBlu Sngy	☆☆☆	☆☆☆	46%	24%	5.7	0.36	0.41	5.00
BGC_020_21	6.38Clr Sngy	☆☆☆	☆☆☆☆	40%	31%	5.6	0.46	0.49	5.00
BGC_020_22	6.38Grn Sngy	☆☆☆	☆☆☆☆	42%	29%	5.6	0.42	0.41	5.00
BGC_020_23	6.38Gry Sngy	☆☆☆	☆☆☆	47%	25%	5.6	0.36	0.23	5.00
BGC_020_24	6.38CP Clr	☆☆	☆☆☆☆	36%	39%	5.3	0.53	0.60	5.00
BGC_020_25	6.38CP Grn	☆☆☆	☆☆☆☆	45%	32%	5.3	0.40	0.52	5.00
BGC_020_26	6.38CP Gry	☆☆☆	☆☆☆☆	45%	31%	5.3	0.40	0.28	5.00
BGC_020_27	6.38CP Ntrl	☆☆☆	☆☆☆☆	44%	32%	5.4	0.41	0.43	5.00