

2009 WERS Certified Products Directory - NFRC

NOTES

1. Uw is the whole window U-value
2. SHGCw is the whole window solar heat gain coefficient
3. Tvw 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 (Uw SHGCw Tvw Tdw) calculated using Window 5.2 and Them 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.



Wideline Updated - 1-Dec-08				Cool %	Heat %	Total Window - NFRC				
Window ID	Glazing	Cooling Stars	Heating Stars			Uw	SHGC	Tvw	Air Inf.	
<b>Aluminium Residential Sliding Window - Single Glazed</b>										
WID-006-01	3 Clr	☆	★★☆	9%	15%	6.5	0.76	0.78	3.25	
WID-006-02	5EG	★★	★★☆	32%	5%	6.4	0.51	0.63	3.25	
WID-006-03	5Gy	★★☆	★★	30%	7%	6.4	0.54	0.43	3.25	
WID-006-04	6.38CP	★★★	★★★	46%	27%	4.5	0.45	0.51	3.25	
WID-006-05	6Sn	★★★★☆	★★☆	54%	1%	5.6	0.25	0.13	3.25	
WID-006-06	6SnGn	★★★	★★★☆☆	48%	18%	4.9	0.39	0.48	3.25	
WID-006-07	6SnAz	★★★	★★★☆☆	49%	17%	4.9	0.37	0.48	3.25	
WID-006-13	6CS	★★	★★★★★	33%	35%	4.5	0.62	0.71	3.25	
WID-006-14	6CS Ntrl	★★★	★★★★	45%	28%	4.5	0.46	0.52	3.25	
WID-006-15	4Clr	☆	★★★☆☆	11%	15%	6.4	0.74	0.77	3.25	
<b>Aluminium Residential Sliding Window - Double Glazed</b>										
WID-006-08	3/6/3	★★	★★★★★	33%	36%	4.4	0.61	0.64	3.25	
WID-006-09	3/6/4EA	★★☆	★★★★★	40%	39%	4.0	0.56	0.58	3.25	
WID-006-10	4EG/6/3	★★★☆☆	★★★★	51%	24%	4.4	0.38	0.53	3.25	
WID-006-11	4EG/6/4EA	★★★★	★★★★	56%	27%	4.0	0.34	0.48	3.25	
WID-006-12	4SGy/6/4A	★★★☆☆	★★★★☆☆	52%	30%	4.0	0.40	0.36	3.25	
<b>Aluminium Residential Awning Window - Single Glazed</b>										
WID-001-01	3 Clr	★	★★★★☆	21%	31%	6.6	0.63	0.63	0.06	
WID-001-02	5EG	★★	★★★★	37%	22%	6.5	0.44	0.51	0.06	
WID-001-03	5Gy	★★	★★★★	35%	23%	6.5	0.46	0.35	0.06	
WID-001-04	6.38CP	★★★	★★★★★	47%	39%	5.1	0.39	0.41	0.06	
WID-001-05	6Sn	★★☆	★★★★★	42%	38%	5.4	0.45	0.47	0.06	
WID-001-06	6SnGn	★★★	★★★★☆☆	49%	32%	5.4	0.34	0.39	0.06	
WID-001-07	6SnAz	★★★☆☆	★★★★☆☆	50%	31%	5.4	0.33	0.39	0.06	
WID-001-13	6CS	★★☆	★★★★★	39%	49%	4.8	0.52	0.57	0.06	
WID-001-14	6CS Ntrl	★★★	★★★★☆☆	48%	42%	4.9	0.40	0.42	0.06	
<b>Aluminium Residential Awning Window - Double Glazed</b>										
WID-001-08	3/6/3	★★☆	★★★★★	40%	49%	4.8	0.51	0.51	0.06	
WID-001-09	3/6/4EA	★★★	★★★★★	45%	51%	4.5	0.47	0.47	0.06	
WID-001-10	4EG/6/3	★★★☆☆	★★★★★	53%	39%	4.8	0.33	0.42	0.06	
WID-001-11	4EG/6/4EA	★★★★	★★★★☆☆	57%	41%	4.5	0.30	0.39	0.06	
WID-001-12	4SGy/6/4EA	★★★☆☆	★★★★☆☆	54%	44%	4.5	0.34	0.29	0.06	
<b>Aluminium Residential Double Hung Window - Single Glazed</b>										
WID-003-01	3 Clr	☆	★★★☆☆	12%	19%	6.3	0.74	0.76	1.48	
WID-003-013	6CS	★★	★★★★★	34%	37%	4.5	0.60	0.69	1.48	
WID-003-014	6CS Ntrl	★★★	★★★★☆☆	45%	28%	4.5	0.46	0.51	1.48	
WID-003-02	5EG	★★	★★	34%	9%	6.2	0.50	0.62	1.48	
WID-003-03	5Gy	★★	★★	32%	11%	6.2	0.53	0.42	1.48	
WID-003-04	6.38CP	★★★	★★★★☆☆	47%	30%	4.3	0.44	0.50	1.48	
WID-003-05	6Sn	★★☆	★★★★☆☆	40%	29%	4.7	0.51	0.57	1.48	
WID-003-06	6SnGn	★★★	★★★	50%	22%	4.7	0.38	0.47	1.48	

WID-003-07	6SnAz	★★★★☆	★★★☆☆	51%	21%	4.7	0.36	0.47	1.48
<b>Aluminium Residential Internal Sliding Door - Single Glazed</b>									
WID-005-01	4Clr	☆☆☆☆	★★★☆☆	14%	19%	6.3	0.72	0.75	0.32
WID-005-02	5EG	★★★★	★★★☆☆	35%	9%	6.2	0.49	0.61	0.32
WID-005-03	5Gy	★★★★	★★★☆☆	32%	11%	6.2	0.52	0.42	0.32
WID-005-04	6.38CP	★★★★☆	★★★★☆☆	48%	31%	4.4	0.43	0.49	0.32
WID-005-05	6Sn	★★★★☆	★★★★☆☆	41%	29%	4.8	0.50	0.57	0.32
WID-005-06	6SnGn	★★★★☆	★★★☆☆	50%	22%	4.8	0.37	0.47	0.32
WID-005-07	6SnAz	★★★★☆	★★★☆☆	52%	21%	4.8	0.35	0.47	0.32
WID-005-13	6CS	★★★★	★★★★★	34%	35%	4.7	0.60	0.69	0.32
WID-005-14	6CS Ntrl	★★★★	★★★☆☆	47%	21%	5.0	0.40	0.44	0.32
<b>Aluminium Residential Internal Sliding Door - Double Glazed</b>									
WID-005-08	4/6/4	★★★★	★★★★★	36%	37%	4.4	0.59	0.62	0.32
WID-005-09	4/6/4EA	★★★★☆	★★★★★	42%	40%	4.0	0.54	0.57	0.32
WID-005-10	4EG/6/4	★★★★☆	★★★☆☆	52%	26%	4.4	0.37	0.52	0.32
WID-005-11	4SGy/6/4	★★★★	★★★★☆☆	49%	32%	4.2	0.43	0.39	0.32
WID-005-12	4EG/6/4EA	★★★★★	★★★★☆☆	56%	29%	4.0	0.34	0.47	0.32
<b>Aluminium Residential Bi-fold Door - Single Glazed</b>									
WID-002-01	4Clr	★★☆☆	★★★☆☆	24%	17%	6.1	0.62	0.64	0.47
WID-002-02	5EG	★★★★☆	★★★☆☆	40%	8%	6.1	0.43	0.52	0.47
WID-002-03	5Gy	★★★★	★★★☆☆	38%	9%	6.1	0.46	0.36	0.47
WID-002-04	6.38CP	★★★★☆	★★★☆☆	51%	26%	4.5	0.38	0.42	0.47
WID-002-05	6Sn	★★★★	★★★☆☆	45%	25%	4.9	0.44	0.48	0.47
WID-002-06	6SnGn	★★★★☆	★★★☆☆	54%	17%	4.9	0.31	0.40	0.47
WID-002-07	6SnAz	★★★★☆	★★★☆☆	53%	18%	4.9	0.33	0.40	0.47
WID-002-13	6CS	★★★★☆	★★★★☆☆	39%	30%	4.8	0.52	0.58	0.47
WID-002-14	6CS Ntrl	★★★★	★★★☆☆	48%	23%	4.8	0.39	0.43	0.47
<b>Aluminium Residential Bi-fold Door - Double Glazed</b>									
WID-002-08	4/6/4	★★★★☆	★★★★☆☆	41%	31%	4.6	0.51	0.53	0.47
WID-002-09	4/6/4EA	★★★★	★★★★☆☆	46%	34%	4.3	0.47	0.48	0.47
WID-002-10	4EG/6/4	★★★★☆	★★★☆☆	50%	24%	4.6	0.38	0.33	0.47
WID-002-11	4SGy/6/4	★★★★☆	★★★☆☆	54%	21%	4.6	0.33	0.44	0.47
WID-002-12	4EG/6/4EA	★★★★★	★★★☆☆	58%	24%	4.3	0.30	0.40	0.47
<b>Aluminium Residential Entry Frame / Door - Single Glazed</b>									
WID-004-01	4Clr	★★☆☆	★★★☆☆	27%	18%	5.9	0.60	0.62	1.97
WID-004-02	5EG	★★★★☆	★★★☆☆	42%	8%	5.9	0.41	0.51	1.97
WID-004-03	5Gy	★★★★☆	★★★☆☆	40%	10%	5.9	0.44	0.35	1.97
WID-004-04	6.38CP	★★★★☆	★★★☆☆	53%	25%	4.3	0.37	0.41	1.97
WID-004-05	6Sn	★★★★	★★★☆☆	47%	25%	4.7	0.42	0.47	1.97
WID-004-06	6SnGn	★★★★☆	★★★☆☆	54%	18%	4.7	0.31	0.39	1.97
WID-004-07	6SnAz	★★★★★	★★★☆☆	55%	17%	4.7	0.30	0.39	1.97
WID-004-13	6CS	★★★★☆	★★★★☆☆	42%	30%	4.6	0.50	0.57	1.97
WID-004-14	6CS Ntrl	★★★★☆	★★★☆☆	50%	23%	4.6	0.38	0.42	1.97
<b>Aluminium Residential Entry Frame / Door - Double Glazed</b>									
WID-004-08	4/6/4	★★★★☆	★★★★☆☆	43%	31%	4.4	0.49	0.51	1.97
WID-004-09	4/6/4EA	★★★★	★★★★☆☆	48%	33%	4.1	0.45	0.47	1.97
WID-004-10	4EG/6/4	★★★★★	★★★☆☆	56%	21%	4.4	0.31	0.42	1.97
WID-004-11	4SGy/6/4	★★★★☆	★★★☆☆	52%	24%	4.4	0.36	0.32	1.97
WID-004-12	4EG/6/4EA	★★★★★	★★★☆☆	59%	23%	4.1	0.28	0.39	1.97
<b>Aluminium Architectural Paragon Entry Door Open In - Single Glazed</b>									
WID-007-01	5Clr	★★☆☆	★★★☆☆	31%	18%	5.9	0.56	0.58	0.57
WID-007-02	5Gy	★★★★☆	★★★☆☆	43%	9%	5.9	0.39	0.48	0.57
WID-007-03	5EG	★★★★☆	★★★☆☆	42%	10%	5.9	0.42	0.33	0.57

WID-007-04	<a href="#">6.38CP</a>	★★★★☆	★★★	53%	25%	4.4	0.35	0.38	0.57
WID-007-13	<a href="#">6CS</a>	★★★☆☆	★★★☆☆	43%	29%	4.7	0.48	0.53	0.57
WID-007-14	<a href="#">6CS Ntrl</a>	★★★★☆	★★★	51%	22%	4.7	0.36	0.39	0.57
<b>Aluminium Architectural Paragon Entry Door Open In - Double Glazed</b>									
WID-007-05	<a href="#">4/6/4</a>	★★★☆☆	★★★☆☆	44%	35%	4.3	0.50	0.52	0.57
WID-007-06	<a href="#">4/6/4EA</a>	★★★★	★★★★	48%	37%	3.9	0.46	0.48	0.57
WID-007-07	<a href="#">5/6/5</a>	★★★★	★★★☆☆	45%	34%	4.3	0.48	0.51	0.57
WID-007-08	<a href="#">5/6/5EA</a>	★★★★	★★★★	49%	37%	3.9	0.45	0.48	0.57
WID-007-09	<a href="#">4/12/4</a>	★★★★	★★★★	46%	36%	4.1	0.48	0.50	0.57
WID-007-10	<a href="#">4/12/4EA</a>	★★★★☆	★★★★	50%	40%	3.6	0.45	0.46	0.57
WID-007-11	<a href="#">5/12/5</a>	★★★★	★★★★	47%	36%	4.1	0.47	0.49	0.57
WID-007-12	<a href="#">5/12/5EA</a>	★★★★☆	★★★★	51%	40%	3.6	0.44	0.46	0.57
<b>Aluminium Architectural Paragon Awning Window - Single Glazed</b>									
WID-009-01	<a href="#">5Clr</a>	★★☆☆	★★☆☆	31%	17%	7.1	0.49	0.47	0.30
WID-009-02	<a href="#">5Gy</a>	★★★☆☆	★★☆☆	40%	10%	7.1	0.36	0.39	0.30
WID-009-03	<a href="#">5EG</a>	★★★☆☆	★★☆☆	39%	11%	7.1	0.38	0.27	0.30
WID-009-04	<a href="#">6.38CP</a>	★★★★	★★★	47%	23%	6.0	0.33	0.31	0.30
WID-009-13	<a href="#">6CS</a>	★★★☆☆	★★★☆☆	42%	33%	5.7	0.42	0.44	0.30
WID-009-14	<a href="#">6CS Ntrl</a>	★★★★	★★★☆☆	49%	27%	5.7	0.33	0.32	0.30
<b>Aluminium Architectural Paragon Awning Window - Double Glazed</b>									
WID-009-05	<a href="#">4/6/4</a>	★★★☆☆	★★★★★☆☆	39%	55%	4.4	0.55	0.57	0.30
WID-009-06	<a href="#">4/6/4EA</a>	★★★☆☆	★★★★★☆☆	44%	58%	4.0	0.51	0.52	0.30
WID-009-07	<a href="#">5/6/5</a>	★★★☆☆	★★★★★☆☆	40%	55%	4.4	0.53	0.56	0.30
WID-009-08	<a href="#">5/6/5EA</a>	★★★★	★★★★★☆☆	45%	58%	4.0	0.50	0.52	0.30
WID-009-09	<a href="#">4/12/4</a>	★★★☆☆	★★★★★☆☆	41%	57%	4.2	0.53	0.55	0.30
WID-009-10	<a href="#">4/12/4EA</a>	★★★★	★★★★★☆☆	46%	61%	3.7	0.50	0.50	0.30
WID-009-11	<a href="#">5/12/5</a>	★★★☆☆	★★★★★☆☆	42%	56%	4.2	0.52	0.54	0.30
WID-009-12	<a href="#">5/12/5EA</a>	★★★★	★★★★★☆☆	47%	61%	3.7	0.49	0.50	0.30
<b>Aluminium Architectural Paragon Bi-Fold Door - Single Glazed</b>									
WID-008-01	<a href="#">5Clr</a>	★★☆☆	★★☆☆	27%	17%	6.0	0.59	0.61	0.38
WID-008-02	<a href="#">5Gy</a>	★★★☆☆	★★	41%	8%	6.0	0.41	0.50	0.38
WID-008-03	<a href="#">5EG</a>	★★★☆☆	★★	39%	9%	6.0	0.44	0.34	0.38
WID-008-04	<a href="#">6.38CP</a>	★★★★☆	★★★	52%	25%	4.5	0.37	0.40	0.38
WID-008-13	<a href="#">6CS</a>	★★★☆☆	★★★☆☆	41%	29%	4.8	0.50	0.56	0.38
WID-008-14	<a href="#">6CS Ntrl</a>	★★★★	★★★	50%	22%	4.8	0.38	0.41	0.38
<b>Aluminium Architectural Paragon Bi-Fold Door - Double Glazed</b>									
WID-008-05	<a href="#">4/6/4</a>	★★★☆☆	★★★★☆☆	42%	35%	4.4	0.52	0.54	0.38
WID-008-06	<a href="#">4/6/4EA</a>	★★★★	★★★★	47%	37%	4.0	0.48	0.49	0.38
WID-008-07	<a href="#">5/6/5</a>	★★★☆☆	★★★★☆☆	43%	34%	4.3	0.50	0.53	0.38
WID-008-08	<a href="#">5/6/5EA</a>	★★★★	★★★★	47%	37%	4.0	0.47	0.49	0.38
WID-008-09	<a href="#">4/12/4</a>	★★★☆☆	★★★★	44%	37%	4.2	0.50	0.52	0.38
WID-008-10	<a href="#">4/12/4EA</a>	★★★★	★★★★	49%	41%	3.7	0.47	0.48	0.38
WID-008-11	<a href="#">5/12/5</a>	★★★★	★★★★	45%	36%	4.1	0.49	0.51	0.38
WID-008-12	<a href="#">5/12/5EA</a>	★★★★	★★★★	49%	40%	3.7	0.46	0.48	0.38
<b>Aluminium Architectural Paragon 2 Lite Sliding Door - Single Glazed</b>									
WID-010-01	<a href="#">5Clr</a>	★★☆☆	★★☆☆	24%	15%	6.3	0.62	0.65	0.23
WID-010-02	<a href="#">5Gy</a>	★★★☆☆	★★☆☆	39%	6%	6.3	0.43	0.53	0.23
WID-010-03	<a href="#">5EG</a>	★★	★★	37%	7%	6.3	0.46	0.37	0.23
WID-010-04	<a href="#">6.38CP</a>	★★★★☆	★★★	50%	24%	4.7	0.38	0.43	0.23
WID-010-13	<a href="#">6CS</a>	★★★☆☆	★★★	38%	28%	4.9	0.53	0.60	0.23
WID-010-14	<a href="#">6CS Ntrl</a>	★★★★	★★☆☆	48%	21%	5.0	0.40	0.44	0.23
<b>Aluminium Architectural Paragon 2 Lite Sliding Door - Double Glazed</b>									

WID-010-05	<a href="#">4/6/4</a>	★ ★ ☆	★ ★ ★ ☆	39%	35%	4.5	0.54	0.58	0.23
WID-010-06	<a href="#">4/6/4EA</a>	★ ★ ☆	★ ★ ★ ★	44%	38%	4.1	0.50	0.53	0.23
WID-010-07	<a href="#">5/6/5</a>	★ ★ ☆	★ ★ ★ ☆	40%	34%	4.5	0.53	0.57	0.23
WID-010-08	<a href="#">5/6/5EA</a>	★ ★ ★	★ ★ ★ ★	45%	37%	4.1	0.50	0.53	0.23
WID-010-09	<a href="#">4/12/4</a>	★ ★ ☆	★ ★ ★ ★	41%	37%	4.3	0.53	0.56	0.23
WID-010-10	<a href="#">4/12/4EA</a>	★ ★ ★	★ ★ ★ ★ ☆	47%	41%	3.7	0.50	0.51	0.23
WID-010-11	<a href="#">5/12/5</a>	★ ★ ☆	★ ★ ★ ★	42%	36%	4.2	0.52	0.55	0.23
WID-010-12	<a href="#">5/12/5EA</a>	★ ★ ★	★ ★ ★ ★	47%	41%	3.7	0.49	0.51	0.23
<b>Aluminium Architectural Paragon 3 Lite Sliding Stacker Door - Single Glazed</b>									
WID-011-01	<a href="#">5Cir</a>	★	★ ★ ☆	23%	15%	6.3	0.63	0.65	0.39
WID-011-02	<a href="#">5Gy</a>	★ ★ ☆	★ ☆	38%	6%	6.3	0.44	0.53	0.39
WID-011-03	<a href="#">5EG</a>	★ ★	★ ★	36%	8%	6.3	0.47	0.37	0.39
WID-011-04	<a href="#">6.38CP</a>	★ ★ ★	★ ★ ★	50%	24%	4.7	0.39	0.43	0.39
WID-011-13	<a href="#">6CS</a>	★ ★	★ ★ ★	38%	28%	5.0	0.53	0.60	0.39
WID-011-14	<a href="#">6CS Ntrl</a>	★ ★ ★	★ ★ ☆	47%	21%	5.0	0.40	0.44	0.39
<b>Aluminium Architectural Paragon 3 Lite Sliding Stacker Door - Double Glazed</b>									
WID-011-05	<a href="#">4/6/4</a>	★ ★ ☆	★ ★ ★ ☆	39%	35%	4.5	0.54	0.58	0.39
WID-011-06	<a href="#">4/6/4EA</a>	★ ★ ★ ☆	★ ★ ★ ☆	53%	30%	4.1	0.37	0.33	0.39
WID-011-07	<a href="#">5/6/5</a>	★ ★ ☆	★ ★ ★ ☆	40%	34%	4.5	0.54	0.57	0.39
WID-011-08	<a href="#">5/6/5EA</a>	★ ★ ☆	★ ★ ★ ★	44%	37%	4.1	0.50	0.53	0.39
WID-011-09	<a href="#">4/12/4</a>	★ ★ ☆	★ ★ ★ ★	41%	37%	4.3	0.54	0.56	0.39
WID-011-10	<a href="#">4/12/4EA</a>	★ ★ ★	★ ★ ★ ★ ☆	46%	42%	3.7	0.50	0.51	0.39
WID-011-11	<a href="#">5/12/5</a>	★ ★ ☆	★ ★ ★ ★	42%	37%	4.2	0.52	0.55	0.39
WID-011-12	<a href="#">5/12/5EA</a>	★ ★ ★	★ ★ ★ ★	47%	41%	3.7	0.49	0.51	0.39