



WINTEREC

PERFORMANCE
RESULTS

"Building products beyond the standards"

// FRASER SLIDING WINDOW



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
FRASER 48 - Sliding Window [Single Glazed]									
WAS-001-01	3mm Clear	☀	★★★	6%	18%	6.5	0.77	0.79	0.13
WAS-001-02	4mm Clear	☀	★★★	9%	18%	6.4	0.75	0.78	0.13
WAS-001-03	4mm EverGreen	★★☀	★★	32%	8%	6.4	0.51	0.65	0.13
WAS-001-04	6.38mm Laminate	☀	★★★	13%	19%	6.3	0.72	0.78	0.13
WAS-001-05	6.38mm ComfortPlus	★★★☀	★★★★	46%	30%	4.5	0.46	0.52	0.13
WAS-001-06	4mm Grey	★★☀	★★★	25%	12%	6.4	0.59	0.49	0.13
WAS-001-07	6mm EVantage Clear	★★★☀	★★★★	35%	33%	4.7	0.57	0.6	0.13
WAS-001-08	6mm EVantage SuperGreen	★★★★☀	★★★	52%	21%	4.7	0.34	0.43	0.13
WAS-001-09	6mm EVantage Grey	★★★★☀	★★★	50%	23%	4.7	0.37	0.28	0.13
WAS-001-10	6mm EVantage BlueGreen	★★★★☀	★★★★	47%	25%	4.7	0.41	0.5	0.13
WAS-001-11	6.38mm ComfortPlus Clear	★★☀	★★★★★	33%	38%	4.5	0.61	0.72	0.13
WAS-001-12	6.38mm ComfortPlus Grey	★★★☀	★★★★★	46%	30%	4.5	0.45	0.34	0.13
WAS-001-13	6.38mm ComfortPlus Green	★★★☀	★★★★★	45%	30%	4.5	0.46	0.63	0.13
FRASER 48 - Fix Window [Single Glazed]									
WAS-010-01	3mm Clear	☀	★★★★★	6%	27%	6	0.8	0.83	0
WAS-010-02	4mm Clear	☀	★★★★★	8%	27%	5.9	0.78	0.82	0
WAS-010-03	4mm EverGreen	★★☀	★★★	33%	16%	5.9	0.53	0.68	0
WAS-010-04	6.38mm Laminate	☀	★★★★★	12%	27%	5.8	0.75	0.82	0
WAS-010-05	6.38mm Comfort Plus	★★★★☀	★★★★★	48%	39%	3.9	0.47	0.54	0
FRASER 48 - Sliding Window [Direct Glazed] [Double Glazed]									
WAS-002-01	3mm Clear / 6mm Air Gap / 3mm Clear	★★☀	★★★★★	29%	47%	4	0.68	0.71	0.13
FRASER 48 - Sliding Window [Adapter] [Double Glazed]									
WAS-003-01	4mm Clear / 8mm Air Gap / 4mm Clear	★★★	★★★★★	34%	43%	4.1	0.62	0.66	0.13
WAS-003-02	4mm EverGreen / 8mm Air Gap / 4mm Clear	★★★★☀	★★★★★	52%	31%	4.1	0.39	0.55	0.13
WAS-003-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★★☀	★★★★★	58%	37%	3.4	0.35	0.5	0.13
FRASER 65 - Sliding Window [Single Glazed]									
WAS-016-01	6.38mm ComfortPlus Grey	★★★★	★★★★★	47%	27%	4.6	0.43	0.33	1
WAS-016-02	6.38mm ComfortPlus Neutral	★★★☀	★★★★★	45%	29%	4.6	0.45	0.5	1
WAS-016-03	6.38mm ComfortPlus Green	★★★☀	★★★★★	46%	28%	4.6	0.44	0.6	1
WAS-016-04	6.38mm ComfortPlus Clear	★★	★★★★★	34%	35%	4.6	0.59	0.69	1
WAS-016-05	6.38mm Grey Laminate	★★☀	★★★	31%	10%	6.3	0.53	0.35	1
WAS-016-06	6mm EnergyTech	★★☀	★★★★★	33%	36%	4.6	0.6	0.69	1
WAS-016-07	6mm EnergyTech Grey	★★★★☀	★★★★★	48%	26%	4.6	0.41	0.34	1
WAS-016-08	6mm Grey	★★☀	★★	33%	9%	6.3	0.5	0.35	1
WAS-016-09	6mm Green	★★☀	★★★	31%	10%	6.3	0.53	0.65	1
WAS-016-10	6mm Clear	☀	★★★	15%	18%	6.3	0.7	0.75	1

// FLINDERS SLIDING WINDOW



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC				
						Uw	SHGC	T _{vw}	Air Inf	
FLINDER 65 - Sliding Window [Double Glazed]										
WAS-004-01	4mm Clear / 8mm Air Gap / 4mm Clear	★★	★★★★★	34%	44%	4	0.62	0.66	0.78	
WAS-004-02	4mm EverGreen / 8mm Air Gap / 4mm Clear	★★★★	★★★★	52%	32%	4	0.39	0.55	0.78	
WAS-004-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★	★★★★	58%	38%	3.3	0.35	0.5	0.78	
WAS-004-04	4mm Clear / 8mm Argon Gap / 4mm Clear	★★	★★★★★	34%	46%	3.9	0.63	0.66	0.78	
WAS-004-05	4mm Clear / 8mm Argon Gap / 4mm EnergyTech	★★	★★★★★	40%	51%	3.3	0.59	0.61	0.78	
WAS-004-06	4mm Sunergy Clear / 8mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	53%	44%	3.2	0.43	0.47	0.78	
WAS-004-07	4mm Grey / 8mm Argon Gap / 4mm Clear	★★★★	★★★★	48%	37%	3.9	0.46	0.41	0.78	
WAS-004-08	4mm Grey / 8mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	54%	42%	3.3	0.42	0.38	0.78	
WAS-004-09	Viridian LightBridge Clear SO 4/8/4	★★★★	★★★★★	50%	47%	3.1	0.48	0.64	0.78	
WAS-004-10	Viridian LightBridge Grey SO 4/8/4	★★★★	★★★★★	59%	40%	3.1	0.35	0.4	0.78	
WAS-004-12	Viridian LightBridge Clear Privacy SI 6.38/8/4	★★★★	★★★★★	59%	41%	3.1	0.36	0.48	0.78	

// HUDSON DOUBLE HUNG WINDOW



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
HUDSON 62 - Double Hung [Single Glazed]									
WAS-012-01	4mm Green	★★☼	★★★	26%	11%	6.4	0.58	0.69	3.57
WAS-012-02	4mm Grey	★	★★★	19%	15%	6.4	0.66	0.47	3.57
WAS-012-03	5mm Clear	☼	★★★	14%	18%	6.3	0.71	0.75	3.57
WAS-012-04	5mm Grey	★★☼	★★	31%	10%	6.3	0.53	0.42	3.57
WAS-012-05	6.38mm Laminate Clear	★	★★★	18%	18%	6.2	0.68	0.75	3.57
WAS-012-06	6.38mm ComfortPlus Neutral	★★★★	★★★★☼	46%	29%	4.5	0.44	0.5	3.57
WAS-012-07	6mm Sunergy Clear	★★★★☼	★★★★☼	39%	28%	4.9	0.51	0.57	3.57
WAS-012-08	6mm Sunergy Green	★★★★☼	★★★	48%	25%	4.7	0.4	0.48	3.57
WAS-012-09	6.38mm ComfortPlus Grey	★★★★	★★★★☼	47%	29%	4.5	0.43	0.33	3.57
WAS-012-10	6.38mm ComfortPlus Green	★★★★	★★★★☼	46%	29%	4.5	0.44	0.6	3.57
WAS-012-11	6.38mm ComfortPlus Clear	★★	★★★★☼	35%	37%	4.5	0.59	0.69	3.57
WAS-012-12	6mm EVantage BlueGreen	★★★★☼	★★★	49%	24%	4.7	0.39	0.48	3.57
WAS-012-13	6mm EVantage Grey	★★★★☼	★★★	51%	22%	4.7	0.36	0.27	3.57
WAS-012-14	6mm EVantage SuperGreen	★★★★☼	★★★	54%	20%	4.7	0.32	0.41	3.57
WAS-012-15	6mm EVantage Clear	★★☼	★★★★☼	38%	33%	4.6	0.54	0.58	3.57
HUDSON 62 - Double Hung [Double Glazed] [Adapter]									
WAS-009-01	4mm Clear / 8mm Air Gap / 4mm Clear	★★★☼	★★★★☼	37	37%	4.4	0.57	0.61	3.57
WAS-009-02	4mm EverGreen / 8mm Air Gap / 4mm Clear	★★★★☼	★★★★☼	52	26%	4.4	0.36	0.5	3.57
WAS-009-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★☼	★★★★☼	58	31%	3.8	0.32	0.46	3.57

// DENNISON CASEMENT WINDOW

WINDOW ID	GLAZING	COOLING STARS	HEATING STARS	COOL %	HEAT %	TOTAL WINDOW - AFRC			
						UW	SHGC	T _w	Air Inf
DENNISON 48 - Casement Window [Double Glazed]									
WAS-008-01	4mm Clear / 8mm Air Gap / 4mm Clear	★★★★	★★★★★★	40%	61%	4	0.56	0.58	0.42
WAS-008-02	4mm EverGreen / 8mm Air Gap / 4mm Clear	★★★★	★★★★	55%	50%	4	0.35	0.48	0.42
WAS-008-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★★	★★★★★★	61%	54%	3.4	0.31	0.45	0.42

// CASUARINA AWNING WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
CASUARINA 48 - Awning Window [Single Glazed]									
WAS-011-01	3mm Clear	★	★★★★	20%	34%	6.4	0.65	0.65	0.29
WAS-011-02	4mm EverGreen	★★★	★★★★	37%	24%	6.4	0.44	0.54	0.29
WAS-011-03	4mm Green	★★	★★★★	32%	27%	6.4	0.51	0.59	0.29
WAS-011-04	4mm Grey	★★	★★★★	33%	26%	6.4	0.49	0.4	0.29
WAS-011-05	5mm Clear	★★	★★★★	23%	33%	6.4	0.62	0.65	0.29
WAS-011-06	5mm EverGreen	★★★	★★★★	37%	24%	6.4	0.44	0.53	0.29
WAS-011-07	5mm Grey	★★★	★★★★	35%	25%	6.4	0.47	0.37	0.29
WAS-011-08	6.38mm ComfortPlus Neutral	★★★★	★★★★★	48%	43%	4.8	0.4	0.43	0.29
WAS-011-09	6.38mm Laminate Neutral	★★	★★★★	25%	33%	6.3	0.6	0.64	0.29
WAS-011-10	6mm EverGreen	★★★	★★★★	40%	23%	6.3	0.4	0.48	0.29
WAS-011-11	6mm Sunergy Clear	★★★	★★★★★	42%	51%	5.2	0.45	0.49	0.29
WAS-011-12	6mm Sunergy Green	★★★★	★★★★	50%	34%	5.2	0.33	0.41	0.29
WAS-011-13	6.38mm ComfortPlus Grey	★★★★	★★★★★	49%	44%	4.7	0.39	0.28	0.29
WAS-011-14	6.38mm ComfortPlus Green	★★★★	★★★★★	48%	44%	4.7	0.4	0.52	0.29
WAS-011-15	6.38mm ComfortPlus Clear	★★★	★★★★★	39%	50%	4.7	0.52	0.6	0.29
WAS-011-16	6mm EVantage BlueGreen	★★★★	★★★★★	50%	39%	4.9	0.36	0.41	0.29
WAS-011-17	6mm EVantage Grey	★★★★	★★★★★	52%	38%	4.9	0.33	0.23	0.29
WAS-011-18	6mm EVantage Clear	★★★	★★★★★	41%	46%	4.9	0.48	0.5	0.29
WAS-011-19	6mm EVantage SuperGreen	★★★★	★★★★	54%	36%	4.9	0.3	0.36	0.29
CASUARINA 48 - Awning Window [16mm Double Glazed]									
WAS-007-01	4mm Clear / 8mm Air Gap / 4mm Clear	★★★	★★★★★★	38%	57%	4.3	0.56	0.58	0.28
WAS-007-02	4mm EverGreen / 8mm Air Gap / 4mm Clear	★★★★	★★★★★	53%	47%	4.3	0.36	0.48	0.28
WAS-007-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★★	★★★★★★	58%	51%	3.7	0.32	0.44	0.28
WAS-007-04	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★	★★★★★★	40%	61%	4	0.56	0.58	0.28
WAS-007-05	4mm Clear / 10mm Argon Gap / 4mm EnergyTech	★★★	★★★★★★★	45%	66%	3.4	0.53	0.54	0.28
WAS-007-06	Viridian LightBridge Clear SO 4/10/4	★★★★	★★★★★★★	53%	64%	3.2	0.44	0.57	0.28
WAS-007-07	Viridian LightBridge Grey SO 4/10/4	★★★★★	★★★★★★	61%	56%	3.2	0.31	0.35	0.28
WAS-007-08	Viridian LightBridge Clear SO 5/8/5	★★★★	★★★★★★	53%	62%	3.3	0.43	0.56	0.28
WAS-007-09	Viridian LightBridge Grey SO 5/8/5	★★★★★	★★★★★★	62%	54%	3.3	0.29	0.3	0.28
WAS-007-10	Viridian LightBridge Clear SO 4/8/4	★★★★	★★★★★★	52%	63%	3.3	0.44	0.57	0.28
WAS-007-11	Viridian LightBridge Grey SO 4/8/4	★★★★★	★★★★★★	60%	56%	3.3	0.32	0.35	0.28
WAS-007-12	Viridian LightBridge Grey Privacy SI 7.38/8/4	★★★★★	★★★★★★	64%	52%	3.3	0.26	0.27	0.28
WAS-007-13	Viridian LightBridge Clear Privacy SI 6.38/8/4	★★★★★	★★★★★★	60%	56%	3.3	0.33	0.42	0.28
WAS-007-14	Viridian LightBridge Grey Privacy SI 7.38/6/5	★★★★★	★★★★★	63%	50%	3.5	0.26	0.27	0.28
WAS-007-15	Viridian LightBridge Clear Privacy SI 6.38/6/5	★★★★★	★★★★★★	58%	55%	3.5	0.34	0.42	0.28
WAS-007-16	Viridian LightBridge Grey Privacy SI 7.38/6/4	★★★★★	★★★★★	63%	50%	3.5	0.26	0.27	0.28
WAS-007-17	Viridian LightBridge Clear Privacy SI 6.38/6/4	★★★★★	★★★★★★	58%	55%	3.5	0.34	0.42	0.28

// CASUARINA AWNING WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
CASUARINA 48 - Fixed Window [22mm Double Glazed]									
WAS-014-01	4mm Clear / 14mm Argon Gap / 4mm Clear	★	★★★★★★	33%	57%	3.1	0.68	0.72	0.01
WAS-014-02	4mm Grey / 14mm Argon Gap / 4mm Clear	★★★★	★★★★	49%	49%	3.1	0.5	0.45	0.01
WAS-014-03	4mm Clear / 14mm Argon Gap / 4mm EnergyTech	★★	★★★★★★	41%	64%	2.3	0.64	0.67	0.01
WAS-014-04	4mm Grey / 14mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★★	56%	55%	2.3	0.45	0.41	0.01
WAS-014-05	5mm Clear / 12mm Argon Gap / 5mm Clear	★★	★★★★★★	36%	55%	3.1	0.65	0.71	0.01
WAS-014-06	5mm Grey / 12mm Argon Gap / 5mm Clear	★★★★	★★★★	52%	46%	3.1	0.45	0.38	0.01
WAS-014-07	4mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★	★★★★★★	41%	64%	2.3	0.64	0.66	0.01
WAS-014-08	4mm Grey / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★★	56%	55%	2.3	0.45	0.41	0.01
WAS-014-09	6mm Clear / 12mm Argon Gap / 4mm Clear	★★	★★★★★★	36%	55%	3.1	0.65	0.71	0.01
WAS-014-10	6mm Grey / 12mm Argon Gap / 4mm Clear	★★★★	★★★★	55%	44%	3.1	0.42	0.33	0.01
WAS-014-11	6mm Clear / 12mm Argon Gap / 4mm EnergyTech	★★	★★★★★★	44%	62%	2.3	0.61	0.66	0.01
WAS-014-12	6mm Grey / 12mm Argon Gap / 4mm EnergyTech	★★★★	★★★★	63%	50%	2.3	0.36	0.31	0.01
WAS-014-13	6.38mm ComfortPlus Grey / 12mm Air Gap / 4mm Clear	★★★★	★★★★	60%	49%	2.5	0.38	0.31	0.01
WAS-014-14	6.38mm ComfortPlus Neutral / 12mm Air Gap / 4mm Clear	★★★★	★★★★	59%	50%	2.5	0.4	0.47	0.01
WAS-014-15	6.38mm ComfortPlus Green / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	61%	51%	2.3	0.39	0.57	0.01
WAS-014-16	6.38mm ComfortPlus Clear / 12mm Air Gap / 4mm Clear	★★★★	★★★★★★	48%	57%	2.5	0.55	0.66	0.01
WAS-014-17	6.38mm ComfortPlus Clear / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	49%	60%	2.3	0.55	0.66	0.01
WAS-014-18	Viridian LightBridge Clear SO 4/14/4	★★★★	★★★★★★	52%	60%	2.1	0.52	0.71	0.01
WAS-014-19	Viridian LightBridge Grey SO 4/14/4	★★★★	★★★★★★	63%	52%	2.1	0.37	0.44	0.01
WAS-014-20	Viridian LightBridge Clear SO 5/12/5	★★★★	★★★★★★	52%	60%	2.1	0.52	0.7	0.01
WAS-014-21	Viridian LightBridge Grey SO 5/12/5	★★★★	★★★★	66%	50%	2.1	0.33	0.37	0.01
WAS-014-22	Viridian LightBridge Grey Privacy SI 7.38/14/4	★★★★	★★★★	68%	48%	2.1	0.29	0.33	0.01
WAS-014-23	Viridian LightBridge Grey Privacy SI 7.38/12/5	★★★★	★★★★	68%	48%	2.1	0.29	0.33	0.01
WAS-014-24	Viridian LightBridge Clear Privacy SI 6.38/14/4	★★★★	★★★★★★	61%	53%	2.1	0.39	0.52	0.01
WAS-014-25	Viridian LightBridge Clear Privacy SI 6.38/12/5	★★★★	★★★★★★	61%	53%	2.1	0.39	0.52	0.01
CASUARINA 48 - Awning Window [22mm Double Glazed]									
WAS-015-01	4mm Clear / 14mm Argon Gap / 4mm Clear	★★	★★★★★★	39%	62%	3.9	0.57	0.58	0.01
WAS-015-02	4mm Grey / 14mm Argon Gap / 4mm Clear	★★★★	★★★★★★	51%	55%	3.9	0.42	0.36	0.01
WAS-015-03	4mm Clear / 14mm Argon Gap / 4mm EnergyTech	★★	★★★★★★	46%	67%	3.3	0.53	0.54	0.01
WAS-015-04	4mm Grey / 14mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★★	56%	59%	3.3	0.38	0.33	0.01
WAS-015-05	5mm Clear / 12mm Argon Gap / 5mm Clear	★★	★★★★★★	42%	61%	3.9	0.54	0.57	0.01
WAS-015-06	5mm Grey / 12mm Argon Gap / 5mm Clear	★★★★	★★★★★★	53%	53%	3.9	0.38	0.31	0.01
WAS-015-07	4mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★	★★★★★★	45%	67%	3.3	0.53	0.53	0.01
WAS-015-08	4mm Grey / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★★	56%	59%	3.3	0.38	0.33	0.01
WAS-015-09	6mm Clear / 12mm Argon Gap / 4mm Clear	★★	★★★★★★	42%	61%	3.9	0.54	0.57	0.01
WAS-015-10	6mm Grey / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	55%	51%	3.9	0.36	0.27	0.01
WAS-015-11	6mm Clear / 12mm Argon Gap / 4mm EnergyTech	★★★	★★★★★★	47%	66%	3.3	0.51	0.53	0.01
WAS-015-12	6mm Grey / 12mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★★	61%	55%	3.3	0.31	0.25	0.01
WAS-015-13	6.38mm ComfortPlus Grey / 12mm Air Gap / 4mm Clear	★★★★	★★★★★★	59%	55%	3.4	0.33	0.25	0.01
WAS-015-14	6.38mm ComfortPlus Grey / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	60%	56%	3.3	0.32	0.25	0.01
WAS-015-15	6.38mm ComfortPlus Neutral / 12mm Air Gap / 4mm Clear	★★★★	★★★★★★	59%	56%	3.4	0.34	0.38	0.01
WAS-015-16	6.38mm ComfortPlus Neutral / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	59%	57%	3.3	0.34	0.38	0.01
WAS-015-17	6.38mm ComfortPlus Green / 12mm Air Gap / 4mm Clear	★★★★	★★★★★★	59%	55%	3.4	0.33	0.46	0.01
WAS-015-18	6.38mm ComfortPlus Green / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	60%	56%	3.3	0.33	0.46	0.01
WAS-015-19	6.38mm ComfortPlus Clear / 12mm Air Gap / 4mm Clear	★★★★	★★★★★★	50%	63%	3.4	0.46	0.53	0.01
WAS-015-20	6.38mm ComfortPlus Clear / 12mm Argon Gap / 4mm Clear	★★★★	★★★★★★	51%	64%	3.3	0.46	0.53	0.01

// HAMILTON SLIDING DOOR



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
HAMILTON 105 - Sliding Door [Single Glazed]									
WAS-005-01	6.38mm Laminate	★	★★★	15%	23%	6	0.72	0.78	0.76
WAS-005-02	6.38mm Laminate Grey	★★	★★★	31%	15%	6	0.55	0.39	0.76
WAS-005-03	6.38mm Comfort Plus	★★★	★★★★	47%	33%	4.2	0.45	0.52	0.76
WAS-005-04	6.38mm ComfortPlus Grey	★★★★	★★★★	48%	33%	4.2	0.44	0.34	0.76
WAS-005-05	6.38mm ComfortPlus Green	★★★★	★★★★	48%	33%	4.2	0.44	0.62	0.76
WAS-005-06	6.38mm ComfortPlus Clear	★★★	★★★★	35%	41%	4.2	0.6	0.72	0.76
WAS-005-07	6mm EVantage BlueGreen	★★★★	★★★★	50%	28%	4.4	0.4	0.49	0.76
WAS-005-08	6mm EVantage Grey	★★★★	★★★★	52%	26%	4.4	0.36	0.28	0.76
WAS-005-09	6mm EVantage SuperGreen	★★★★	★★★	54%	24%	4.4	0.33	0.43	0.76
WAS-005-10	6mm EVantage Clear	★★★	★★★★	38%	36%	4.4	0.56	0.6	0.76
WAS-005-11	5mm Grey	★★	★★★	31%	14%	6.1	0.54	0.42	0.76
HAMILTON 105 - Sliding Door [18mm Double Glazed]									
WAS-006-01	4mm Clear / 10mm Air Gap / 4mm Clear	★★	★★★★★	34%	47%	3.8	0.64	0.69	0.76
WAS-006-02	4mm EverGreen / 10mm Air Gap / 4mm Clear	★★★★	★★★★	53%	35%	3.8	0.4	0.57	0.76
WAS-006-03	4mm EverGreen / 10mm Air Gap / 4mm Energy Advantage	★★★★★	★★★★★	58%	40%	3.2	0.36	0.53	0.76
WAS-006-04	6.38mm Comfort Plus / 8mm Air Gap / 4mm Clear	★★★★	★★★★★	56%	40%	3.3	0.39	0.46	0.76
WAS-006-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★	★★★★★	33%	49%	3.7	0.65	0.69	0.76
WAS-006-06	4mm Clear / 10mm Argon Gap / 4mm EnergyTech	★★★	★★★★★	40%	55%	3	0.61	0.64	0.76
WAS-006-07	Viridian LightBridge Clear SO 4/10/4	★★★★	★★★★★	50%	53%	2.7	0.51	0.68	0.76
WAS-006-08	Viridian LightBridge Grey SO 4/10/4	★★★★★	★★★★★	61%	45%	2.7	0.36	0.42	0.76
WAS-006-09	Viridian LightBridge Clear SO 5/8/5	★★★★	★★★★★	50%	51%	2.9	0.5	0.67	0.76
WAS-006-10	Viridian LightBridge Grey SO 5/8/5	★★★★★	★★★★★	62%	41%	2.9	0.33	0.36	0.76
WAS-006-11	Viridian LightBridge Clear SO 4/8/4	★★★★	★★★★★	49%	51%	2.9	0.51	0.68	0.76
WAS-006-12	Viridian LightBridge Grey SO 4/8/4	★★★★★	★★★★★	60%	43%	2.9	0.36	0.42	0.76
HAMILTON 105 - Sliding Door [22mm Double Glazed]									
WAS-013-01	4mm Clear / 14mm Argon Gap / 4mm Clear	★★	★★★★★	34%	50%	3.6	0.65	0.68	15
WAS-013-02	4mm Grey / 14mm Argon Gap / 4mm Clear	★★★★	★★★★★	48%	42%	3.6	0.48	0.42	15
WAS-013-03	4mm Clear / 14mm Argon Gap / 4mm EnergyTech	★★★	★★★★★	41%	56%	2.9	0.61	0.63	15
WAS-013-04	4mm Grey / 14mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	55%	47%	2.9	0.43	0.39	15
WAS-013-05	5mm Clear / 12mm Argon Gap / 5mm Clear	★★★	★★★★★	36%	49%	3.6	0.62	0.67	15
WAS-013-06	5mm Grey / 12mm Argon Gap / 5mm Clear	★★★★	★★★★★	51%	39%	3.6	0.43	0.36	15
WAS-013-07	4mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★★	★★★★★	41%	56%	2.9	0.61	0.63	15
WAS-013-08	4mm Grey / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★	55%	47%	2.9	0.43	0.39	15
WAS-013-09	6mm Clear / 12mm Argon Gap / 4mm Clear	★★★	★★★★★	36%	49%	3.6	0.62	0.68	15
WAS-013-10	6mm Grey / 12mm Argon Gap / 4mm Clear	★★★★	★★★★	54%	38%	3.6	0.4	0.32	15
WAS-013-11	6mm Clear / 12mm Argon Gap / 4mm EnergyTech	★★★	★★★★★	43%	55%	2.9	0.58	0.63	15
WAS-013-12	6mm Grey / 12mm Argon Gap / 4mm EnergyTech	★★★★★	★★★★★	60%	43%	2.9	0.35	0.3	15
WAS-013-13	Viridian LightBridge Clear SO 4/14/4	★★★★	★★★★★	51%	53%	2.7	0.5	0.67	15
WAS-013-14	Viridian LightBridge Grey SO 4/14/4	★★★★★	★★★★★	61%	45%	2.7	0.35	0.42	15
WAS-013-15	Viridian LightBridge Clear SO 5/12/5	★★★★	★★★★★	51%	53%	2.7	0.5	0.67	15
WAS-013-16	Viridian LightBridge Grey SO 5/12/5	★★★★★	★★★★★	63%	43%	2.7	0.32	0.36	15

// LINDEMAN CASEMENT WINDOW



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
LINDEMAN 100 - Casement Window [Single Glazed]									
WAS-019-01	6.38mm ComfortPlus Grey	★★★★	★★★★	53%	28%	5.4	0.28	0.18	1
WAS-019-02	6.38mm ComfortPlus Neutral	★★★★	★★★★	52%	29%	5.4	0.29	0.27	1
WAS-019-03	6.38mm ComfortPlus Green	★★★★	★★★★	53%	28%	5.4	0.28	0.33	1
WAS-019-04	6.38mm ComfortPlus Clear	★★★★	★★★★	47%	33%	5.4	0.36	0.38	1
WAS-019-05	6.38mm Grey Laminate	★★★	★★★	45%	19%	6.3	0.33	0.19	1
WAS-019-06	6.38mm Clear Laminate	★★★	★★★★	40%	24%	6.3	0.41	0.41	1
WAS-019-07	6mm EnergyTech	★★★	★★★★	40%	23%	6.3	0.4	0.38	1
WAS-019-08	6mm EnergyTech Grey	★★★★	★★★★	54%	26%	5.5	0.26	0.19	1
WAS-019-09	6mm Grey	★★★	★★★	46%	18%	6.3	0.31	0.19	1
WAS-019-10	4mm EnergyTech	★★★	★★★★	46%	33%	5.5	0.38	0.38	1
WAS-019-11	4mm Grey	★★★	★★★	43%	19%	6.4	0.36	0.26	1
LINDEMAN 100 - Casement Window [Double Glazed]									
WAS-020-01	Viridian LightBridge Grey Privacy S1 7.38/12/5	★★★★★	★★★★★	65%	37%	4.2	0.19	0.17	1
WAS-020-02	Viridian LightBridge Clear SO 5/14/5	★★★★	★★★★★	57%	45%	4.2	0.31	0.36	1
WAS-020-03	Viridian LightBridge Grey SO 5/14/5	★★★★★	★★★★★	63%	39%	4.2	0.21	0.19	1
WAS-020-04	6mm Clear / 12mm Air Gap / 6mm Clear	★★★★	★★★★★	50%	41%	4.8	0.37	0.36	1
WAS-020-05	6mm Clear / 12mm Argon Gap / 6mm Clear	★★★★	★★★★★	50%	42%	4.7	0.37	0.36	1
WAS-020-06	6mm Clear / 12mm Air Gap / 6mm EnergyTech	★★★★	★★★★★	53%	45%	4.4	0.35	0.34	1
WAS-020-07	6mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★	53%	46%	4.3	0.35	0.34	1
WAS-020-08	6mm Grey / 12mm Air Gap / 6mm Clear	★★★★	★★★★	58%	34%	4.8	0.25	0.17	1
WAS-020-09	6mm Grey / 12mm Argon Gap / 6mm Clear	★★★★★	★★★★	58%	35%	4.7	0.25	0.17	1
WAS-020-10	Viridian LightBridge Grey Privacy S1 6.38/12/5	★★★★★	★★★★★	61%	41%	4.2	0.24	0.27	1

// WHITSUNDAY SLIDING DOOR

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						UW	SHGC	Tvw	Air Inf
Whitsunday 100 - Awning Window [Single Glazed]									
WAS-017-01	6.38mm ComfortPlus Grey	★★★★	★★★★	52%	26%	5.6	0.28	0.18	1
WAS-017-02	6.38mm ComfortPlus Neutral	★★★★	★★★★	51%	26%	5.6	0.29	0.27	1
WAS-017-03	6.38mm ComfortPlus Green	★★★★	★★★★	51%	26%	5.6	0.29	0.33	1
WAS-017-04	6.38mm ComfortPlus Clear	★★★	★★★★	46%	31%	5.6	0.37	0.38	1
WAS-017-05	6.38mm Grey Laminate	★★★	★★★	45%	18%	6.4	0.33	0.19	1
WAS-017-06	6.38mm Clear Laminate	★★★	★★★★	39%	22%	6.4	0.41	0.41	1
WAS-017-07	6mm EnergyTech	★★★	★★★★	40%	22%	6.4	0.4	0.38	1
WAS-017-08	6mm EnergyTech Grey	★★★★	★★★★	52%	25%	5.6	0.27	0.19	1
WAS-017-09	6mm Grey	★★★	★★★	45%	17%	6.4	0.32	0.19	1
WAS-017-10	4mm EnergyTech	★★★	★★★★	45%	31%	5.6	0.38	0.38	1
WAS-017-11	4mm Grey	★★★	★★★	42%	18%	6.5	0.36	0.26	1
Whitsunday 100 - Awning Window [Double Glazed]									
WAS-018-01	Viridian LightBridge Grey Privacy SI 7.38/12/5	★★★★★	★★★★★	65%	37%	4.2	0.19	0.17	1
WAS-018-02	Viridian LightBridge Clear SO 5/14/5	★★★★	★★★★★	57%	45%	4.2	0.31	0.36	1
WAS-018-03	Viridian LightBridge Grey SO 5/14/5	★★★★★	★★★★★	63%	39%	4.2	0.21	0.19	1
WAS-018-04	6mm Clear / 12mm Air Gap / 6mm Clear	★★★★	★★★★★	50%	41%	4.8	0.37	0.36	1
WAS-018-05	6mm Clear / 12mm Argon Gap / 6mm Clear	★★★★	★★★★★	50%	42%	4.7	0.37	0.36	1
WAS-018-06	6mm Clear / 12mm Air Gap / 6mm EnergyTech	★★★★	★★★★★	53%	45%	4.4	0.35	0.34	1
WAS-018-07	6mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★	53%	47%	4.3	0.36	0.34	1
WAS-018-08	6mm Grey / 12mm Air Gap / 6mm Clear	★★★★	★★★★	58%	34%	4.8	0.25	0.17	1
WAS-018-09	6mm Grey / 12mm Argon Gap / 6mm Clear	★★★★★	★★★★	58%	35%	4.7	0.25	0.17	1
WAS-018-10	Viridian LightBridge Grey Privacy S1 6.38/12/5	★★★★★	★★★★★	61%	41%	4.2	0.24	0.27	1

// ASPEN HINGE DOOR

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						UW	SHGC	T _{vw}	Air Inf
ASPEN 145 - Hinged Door [Single Glazed]									
WAS-023-01	6.38mm ComfortPlus Grey	★★★★	★★★★	53%	27%	4.3	0.36	0.27	1
WAS-023-02	6.38mm ComfortPlus Neutral	★★★★	★★★★	52%	28%	4.3	0.37	0.41	1
WAS-023-03	6.38mm ComfortPlus Green	★★★★	★★★★	53%	27%	4.3	0.36	0.5	1
WAS-023-04	6.38mm ComfortPlus Clear	★★★	★★★★	44%	34%	4.3	0.49	0.57	1
WAS-023-05	6.38mm Grey Laminate	★★★	★★★	40%	13%	5.8	0.44	0.29	1
WAS-023-06	6.38mm Clear Laminate	★★	★★★	31%	19%	5.8	0.56	0.61	1
WAS-023-07	6mm EnergyTech	★★	★★★	33%	17%	5.8	0.53	0.57	1
WAS-023-08	6mm EnergyTech Grey	★★★★	★★★★	54%	25%	4.4	0.34	0.28	1
WAS-023-09	6mm Grey	★★★	★★	41%	10%	5.9	0.42	0.29	1
WAS-023-10	4mm EnergyTech	★★★	★★★★	41%	35%	4.4	0.52	0.58	1
WAS-023-11	4mm Grey	★★★	★★★	37%	13%	5.9	0.48	0.39	1

// BEDARRA BIFOLD DOOR

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC				
						UW	SHGC	T _{vw}	Air Inf	
BEDARRA 101.60 - Bifold System [Single Glazed]										
WAS-021-01	6.38mm ComfortPlus Grey	★★★★	★★★★	52%	26%	4.4	0.36	0.27	1	
WAS-021-02	6.38mm ComfortPlus Neutral	★★★★	★★★★	52%	27%	4.4	0.37	0.41	1	
WAS-021-03	6.38mm ComfortPlus Green	★★★★	★★★★	52%	27%	4.4	0.37	0.5	1	
WAS-021-04	6.38mm ComfortPlus Clear	★★★	★★★★	43%	33%	4.4	0.49	0.57	1	
WAS-021-05	6.38mm Grey Laminate	★★★	★★★	39%	12%	5.9	0.45	0.29	1	
WAS-021-06	6.38mm Clear Laminate	★★	★★★	30%	18%	5.9	0.57	0.61	1	
WAS-021-07	6mm EnergyTech	★★	★★★	32%	18%	5.8	0.54	0.57	1	
WAS-021-08	6mm EnergyTech Grey	★★★★	★★★	53%	24%	4.5	0.34	0.28	1	
WAS-021-09	6mm Grey	★★★	★★	41%	10%	5.9	0.42	0.29	1	
WAS-021-10	4mm EnergyTech	★★★	★★★★	40%	33%	4.5	0.52	0.58	1	
WAS-021-11	4mm Grey	★★★	★★★	36%	12%	6	0.48	0.39	1	
BEDARRA 101.60 - Bifold System [Double Glazed]										
WAS-022-01	Viridian LightBridge Clear SO 4/8/4	★★★★	★★★★★	54%	43%	3.2	0.42	0.55	1	
WAS-022-02	Viridian LightBridge Grey SO 4/8/4	★★★★★	★★★★★	62%	36%	3.2	0.3	0.34	1	
WAS-022-03	4mm Clear / 8mm Air Gap / 4mm Clear	★★★	★★★★★	41%	39%	4.1	0.54	0.56	1	
WAS-022-04	4mm Clear / 8mm Argon Gap / 4mm Clear	★★★	★★★★★	42%	41%	3.9	0.54	0.56	1	
WAS-022-05	4mm Clear / 8mm Air Gap / 4mm EnergyTech	★★★★	★★★★★	46%	42%	3.6	0.5	0.52	1	
WAS-022-06	4mm Clear / 8mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	47%	45%	3.4	0.51	0.52	1	
WAS-022-07	4mm Grey / 8mm Air Gap / 4mm Clear	★★★★	★★★★	51%	32%	4.1	0.41	0.35	1	
WAS-022-08	4mm Grey / 8mm Argon Gap / 4mm Clear	★★★★	★★★★	52%	34%	3.9	0.4	0.35	1	
WAS-022-09	4mm Grey / 8mm Air Gap / 4mm EnergyTech	★★★★	★★★★★	56%	35%	3.6	0.37	0.32	1	
WAS-022-10	4mm Grey /8mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	57%	38%	3.4	0.37	0.32	1	

// MORETON COMMERCIAL FRAME

WINDOW ID	GLAZING	COOLING STARS	HEATING STARS	COOL %	HEAT %	TOTAL WINDOW - AFRC				
						UW	SHGC	Tvw	Air Inf	
MORETON 10160 - Commercial Frame [Double Glazed]										
ULL-022-01	6.38mm Clear Laminate / 12mm Argon Gap / 6.38mm Clear Laminate	★★★★	★★★★★★	40%	48%	3.5	0.59	0.66	0.06	
ULL-022-02	6.38mm Clear Laminate / 12mm Air Gap / 6.38mm Clear Laminate	★★★★	★★★★★★	39%	47%	3.6	0.59	0.66	0.06	
ULL-022-03	6.38mm Clear Laminate / 12mm Argon Gap / 6.38mm ComfortPlus Grey	★★★★★	★★★★★★	48%	53%	2.8	0.53	0.29	0.06	
ULL-022-04	6.38mm Clear Laminate / 12mm Air Gap / 6.38mm ComfortPlus Grey	★★★★★	★★★★★★	48%	51%	3	0.52	0.29	0.06	
ULL-022-05	6.38mm Clear Laminate / 12mm Argon Gap / 6.38mm ComfortPlus Neutral	★★★★★	★★★★★★	48%	53%	2.8	0.53	0.43	0.06	
ULL-022-06	6.38mm Clear Laminate / 12mm Air Gap / 6.38mm ComfortPlus Neutral	★★★★★	★★★★★★	48%	51%	3	0.52	0.43	0.06	
ULL-022-07	6.38mm Clear Laminate / 12mm Argon Gap / 6.38mm ComfortPlus Green	★★★★	★★★★★★	47%	54%	2.8	0.54	0.53	0.06	
ULL-022-08	6.38mm Clear Laminate / 12mm Air Gap / 6.38mm ComfortPlus Green	★★★★	★★★★★★	47%	51%	3	0.53	0.53	0.06	
ULL-022-09	6.38mm Clear Laminate / 12mm Argon Gap / 6.38mm ComfortPlus Clear	★★★★	★★★★★★	45%	55%	2.8	0.56	0.61	0.06	
ULL-022-10	6.38mm Clear Laminate / 12mm Air Gap / 6.38mm ComfortPlus Clear	★★★★	★★★★★★	44%	53%	3	0.56	0.61	0.06	
ULL-022-11	6.38mm Clear Laminate / 12mm Argon Gap / 6mm EnergyTech	★★★★	★★★★★★	45%	55%	2.8	0.56	0.6	0.06	
ULL-022-12	6.38mm Clear Laminate / 12mm Air Gap / 6mm EnergyTech	★★★★	★★★★★★	44%	53%	3	0.56	0.6	0.06	

// MACQUARIE SLIDING WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	Tvw	Air Inf
MACQUARIE 83 - Sliding Window [Single Glazed]									
ULL-025-01	6.38mm ComfortPlus Grey	★★★★	★★★	49%	21%	4.9	0.38	0.28	104
ULL-025-02	6.38mm ComfortPlus Neutral	★★★★	★★★	48%	22%	4.9	0.39	0.43	104
ULL-025-03	6.38mm ComfortPlus Green	★★★★	★★★★	48%	22%	4.9	0.39	0.52	104
ULL-025-04	6.38mm ComfortPlus Clear	★★★	★★★★	39%	28%	4.9	0.51	0.59	104
ULL-025-05	6mm Clear	★★	★★★	24%	13%	6.4	0.61	0.64	104
ULL-025-06	6mm Grey	★★★	★★	37%	4%	6.4	0.44	0.3	104
ULL-025-07	6mm Green	★★★	★★	36%	5%	6.4	0.46	0.56	104
ULL-025-08	6mm EnergyTech	★★★	★★★★	38%	28%	4.9	0.52	0.59	104
MACQUARIE 83 - Sliding Window [Double Glazed]									
ULL-026-01	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Grey	★★★★	★★★★★	47%	42%	3.6	0.49	0.26	104
ULL-026-02	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★★	★★★★★	47%	41%	3.7	0.49	0.39	104
ULL-026-03	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Green	★★★★	★★★★★	46%	43%	3.6	0.5	0.47	104
ULL-026-04	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Clear	★★★	★★★★★	45%	44%	3.6	0.52	0.54	104
ULL-026-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★	★★★★★	38%	39%	4.2	0.57	0.58	104
ULL-026-06	4mm Clear / 10mm Argon Gap / 4mm Energy Tech	★★★	★★★★★	44%	44%	3.6	0.53	0.54	104
ULL-026-07	4mm Clear / 8mm Argon Gap / 6mm Energy Tech	★★★	★★★★★	44%	43%	3.7	0.53	0.53	104
MACQUARIE 100 - Sliding Window [Single Glazed]									
ULL-027-01	6.38mm ComfortPlus Grey	★★★★	★★★	49%	19%	5	0.37	0.28	0.55
ULL-027-02	6.38mm ComfortPlus Neutral	★★★★	★★★	48%	20%	5	0.38	0.42	0.55
ULL-027-03	6.38mm ComfortPlus Green	★★★★	★★★	48%	20%	5	0.38	0.51	0.55
ULL-027-04	6.38mm ComfortPlus Clear	★★★	★★★★	40%	26%	5	0.5	0.59	0.55
ULL-027-05	6mm Clearr	★★	★★★	24%	11%	6.5	0.6	0.63	0.55
ULL-027-06	6mm Grey	★★★	★★	37%	2%	6.5	0.43	0.3	0.55
ULL-027-07	6mm Green	★★★	★★	36%	3%	6.5	0.45	0.55	0.55
ULL-027-08	6mm EnergyTech	★★★	★★★★	39%	27%	5	0.51	0.58	0.55
MACQUARIE 100 - Sliding Window [Double Glazed]									
ULL-028-01	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Grey	★★★★	★★★★★	47%	40%	3.8	0.48	0.25	0.55
ULL-028-02	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★★	★★★★★	47%	40%	3.8	0.48	0.38	0.55
ULL-028-03	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Green	★★★★	★★★★★	47%	40%	3.8	0.48	0.46	0.55
ULL-028-04	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Clear	★★★	★★★★★	45%	41%	3.8	0.51	0.53	0.55
ULL-028-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★	★★★★	39%	37%	4.3	0.55	0.57	0.55
ULL-028-06	4mm Clear / 10mm Argon Gap / 4mm Energy Tech	★★★	★★★★★	45%	42%	3.7	0.51	0.53	0.55
ULL-028-07	4mm Clear / 8mm Argon Gap / 6mm Energy Tech	★★★	★★★★★	45%	41%	3.8	0.51	0.52	0.55

// MERIVALE AWNING WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	Tvw	Air Inf
MERIVALE 83 - Awning Window [Single Glazed]									
ULL-038-01	6.38mm ComfortPlus Grey	★★★★	★★★★★	47%	34%	5.4	0.37	0.25	0
ULL-038-02	6.38mm ComfortPlus Neutral	★★★½	★★★★★	46%	34%	5.4	0.38	0.38	0
ULL-038-03	6.38mm ComfortPlus Green	★★★★	★★★★★	47%	34%	5.4	0.37	0.46	0
ULL-038-04	6.38mm ComfortPlus Clear	★★★½	★★★★★★	38%	40%	5.4	0.49	0.53	0
ULL-038-05	6mm Clear	★★½	★★★★★	26%	27%	6.6	0.57	0.57	0
ULL-038-06	6mm Grey	★★★½	★★★	38%	20%	6.6	0.42	0.27	0
ULL-038-07	6mm Green	★★★½	★★★	36%	21%	6.6	0.44	0.5	0
ULL-038-08	6mm EnergyTech	★★★½	★★★★★★	38%	40%	5.4	0.49	0.53	0
MERIVALE 83 - Awning Window [Double Glazed]									
ULL-039-01	6mm Clear / 12mm Argon Gap / 6.38mm ComfortPlus Grey	★★★★½	★★★★★★	49%	58%	3.8	0.45	0.22	0
ULL-039-02	6mm Clear / 12mm Argon Gap / 6.38mm ComfortPlus Neutral	★★★★½	★★★★★★	49%	58%	3.8	0.45	0.34	0
ULL-039-03	6mm Clear / 12mm Argon Gap / 6.38mm ComfortPlus Green	★★★★½	★★★★★★	49%	58%	3.8	0.45	0.41	0
ULL-039-04	6mm Clear / 12mm Argon Gap / 6.38mm ComfortPlus Clear	★★★★½	★★★★★★	48%	59%	3.8	0.47	0.47	0
ULL-039-05	6mm Clear / 12mm Argon Gap / 6mm EnergyTech	★★★★½	★★★★★★	48%	59%	3.8	0.47	0.47	0
ULL-039-06	6mm Clear / 12mm Argon Gap / 6mm Clear	★★★½	★★★★★★	43%	54%	4.3	0.5	0.51	0
ULL-039-07	4mm Grey / 12mm Argon Gap / 4mm EnergyTech	★★★★½	★★★★★★	55%	53%	3.8	0.36	0.3	0
ULL-039-08	6mm Grey / 10mm Argon Gap / 4mm EnergyTech	★★★★★½	★★★★★★	60%	48%	3.8	0.29	0.23	0
MERIVALE 100 - Awning Window [Single Glazed]									
ULL-023-01	6.38mm Comfort Plus Clear	★★★½	★★★★★	40%	36%	5.6	0.46	0.5	0.22
ULL-023-02	6.38mm Comfort Plus Grey	★★★★	★★★★★	47%	30%	5.6	0.35	0.24	0.22
ULL-023-03	6.38mm Comfort Plus Neutral	★★★★	★★★★★	46%	30%	5.6	0.36	0.36	0.22
ULL-023-04	6.38mm Comfort Plus Green	★★★★	★★★★★	46%	30%	5.6	0.36	0.44	0.22
ULL-023-05	6mm Clear	★★½	★★★★★	27%	25%	6.7	0.55	0.54	0.22
ULL-023-06	6mm Grey	★★★½	★★★	38%	17%	6.7	0.4	0.26	0.22
ULL-023-07	6mm Green	★★★½	★★★	37%	18%	6.7	0.42	0.47	0.22
ULL-023-08	6mm Energy Tech	★★★½	★★★★★	39%	36%	5.6	0.47	0.5	0.22
MERIVALE 100 - Awning Window [Double Glazed]									
ULL-024-01	4mm Grey / 12mm Argon Gap / 4mm Energy Tech	★★★★½	★★★★★★	55%	47%	4.2	0.34	0.28	0.22
ULL-024-02	4mm Grey / 12mm Argon Gap / 4mm Energy Tech	★★★★★½	★★★★★★	59%	43%	4.2	0.28	0.21	0.22
ULL-024-03	6mm Clear / 12mm Argon Gap / 6.38mm Comfort Plus Grey	★★★★½	★★★★★★	49%	53%	4.1	0.43	0.21	0.22
ULL-024-04	6mm Clear / 12mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★★½	★★★★★★	49%	53%	4.1	0.43	0.32	0.22
ULL-024-05	6mm Clear / 12mm Argon Gap / 6.38mm Comfort Plus Green	★★★★½	★★★★★★	49%	53%	4.1	0.43	0.39	0.22
ULL-024-06	6mm Clear / 12mm Argon Gap / 6.38mm Comfort Plus Clear	★★★★½	★★★★★★	48%	54%	4.1	0.45	0.44	0.22
ULL-024-07	6mm Clear / 12mm Argon Gap / 6mm Clear	★★★½	★★★★★★	44%	49%	4.6	0.47	0.48	0.22
ULL-024-08	6mm Clear / 12mm Argon Gap / 6mm Energy Tech	★★★★½	★★★★★★	48%	54%	4.1	0.45	0.44	0.22

// DOVER DOUBLE HUNG WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	Tvw	Air Inf
DOVER 83 - Double Hung Window [Single Glazed]									
ULL-030-01	6.38mm Comfort Plus Grey	★★★★	★★★	48%	23%	4.8	0.39	0.29	104
ULL-030-02	6.38mm Comfort Plus Neutral	★★★★	★★★	47%	22%	4.9	0.4	0.44	104
ULL-030-03	6.38mm Comfort Plus Green	★★★★	★★★	48%	23%	4.8	0.39	0.53	104
ULL-030-04	6.38mm Comfort Plus Clear	★★★	★★★★	38%	30%	4.8	0.53	0.61	104
ULL-030-05	6mm Clear	★★	★★★	22%	13%	6.4	0.63	0.66	104
ULL-030-06	6mm Grey	★★★	★★	36%	5%	6.4	0.45	0.31	104
ULL-030-07	6mm Green	★★	★★	34%	6%	6.4	0.48	0.57	104
ULL-030-08	6mm Energy Tech	★★★	★★★★	37%	31%	4.8	0.54	0.61	104
DOVER 83 - Double Hung Window [Double Glazed]									
ULL-029-01	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Grey	★★★	★★★★★	46%	43%	3.6	0.51	0.26	104
ULL-029-02	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★★	★★★★★	46%	43%	3.6	0.5	0.4	104
ULL-029-03	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Green	★★★	★★★★★	46%	43%	3.6	0.51	0.48	104
ULL-029-04	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Clear	★★★	★★★★★	43%	45%	3.6	0.54	0.55	104
ULL-029-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★	★★★★★	37%	40%	4.2	0.58	0.6	104
ULL-029-06	4mm Clear / 10mm Argon Gap / 4mm Energy Tech	★★★	★★★★★	44%	46%	3.5	0.54	0.56	104
ULL-029-07	4mm Clear / 8mm Argon Gap / 6mm Energy Tech	★★★	★★★★★	43%	45%	3.6	0.54	0.55	104
DOVER 100 - Double Hung Window [Single Glazed]									
ULL-031-01	6.38mm Comfort Plus Grey	★★★★	★★★	49%	21%	4.9	0.38	0.29	104
ULL-031-02	6.38mm Comfort Plus Neutral	★★★★	★★★	47%	20%	5	0.39	0.43	104
ULL-031-03	6.38mm Comfort Plus Green	★★★★	★★★	49%	21%	4.9	0.38	0.52	104
ULL-031-04	6.38mm Comfort Plus Clear	★★★	★★★★	38%	28%	4.9	0.52	0.6	104
ULL-031-05	6mm Clear	★★	★★★	23%	13%	6.4	0.62	0.65	104
ULL-031-06	6mm Grey	★★★	★★	37%	4%	6.4	0.44	0.31	104
ULL-031-07	6mm Green	★★★	★★	36%	5%	6.4	0.46	0.56	104
ULL-031-08	6mm Energy Tech	★★★	★★★★	38%	28%	4.9	0.52	0.6	104
DOVER 100 - Double Hung Window [Double Glazed]									
ULL-032-01	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Grey	★★★	★★★★★	46%	42%	3.7	0.5	0.26	104
ULL-032-02	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★★	★★★★★	47%	41%	3.7	0.49	0.39	104
ULL-032-03	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Green	★★★	★★★★★	46%	42%	3.7	0.5	0.47	104
ULL-032-04	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Clear	★★★	★★★★★	44%	43%	3.7	0.53	0.54	104
ULL-032-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★	★★★★★	38%	39%	4.2	0.57	0.59	104
ULL-032-06	4mm Clear / 10mm Argon Gap / 4mm Energy Tech	★★★	★★★★★	44%	44%	3.6	0.53	0.55	104
ULL-032-07	4mm Clear / 8mm Argon Gap / 6mm Energy Tech	★★★	★★★★★	44%	43%	3.7	0.53	0.54	104

// BERKELEY SLIDING DOOR

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
BERKELEY 100 - Sliding Door [Standard Sill] [Single Glazed]									
ULL-019-01	6.38mm Comfort Plus Clear	★★★↘	★★★★↘	36%	36%	4.5	0.57	0.67	168
ULL-019-02	6.38mm Clear Laminate	★★↘	★★★↘	22%	20%	6	0.65	0.72	168
ULL-019-03	6.38mm Grey Laminate	★★↘	★★★↘	33%	11%	6.2	0.51	0.34	168
ULL-019-04	6mm SolTech	★★★★	★★★★↘	46%	29%	4.5	0.44	0.52	168
ULL-019-05	6mm EnergyTech Clear	★★★↘	★★★★↘	36%	36%	4.5	0.58	0.67	168
ULL-019-06	6mm Evantage Clear	★★★↘	★★★★↘	39%	33%	4.6	0.53	0.56	168
BERKELEY 100 - Sliding Door [Standard Sill] [Double Glazed]									
ULL-018-01	6mm SolTech / 6mm Air Gap / 6.38mm Clear Laminate	★★★★↘	★★★★↘	54%	34%	3.8	0.38	0.46	168
ULL-018-02	4mm Clear / 10mm Air Gap / 4mm Clear	★★★★↘	★★★★★↘	46%	45%	3.5	0.51	0.6	168
ULL-018-03	4mm SuperGreen / 10mm Air Gap / 4mm Clear	★★	★★★★★↘	34%	44%	4	0.62	0.65	168
ULL-018-04	4mm SuperGreen / 10mm Air Gap / 4mm Energy Tech	★★★★↘	★★★★↘	52%	32%	4	0.39	0.53	168
ULL-018-05	6.38mm Comfort Plus Clear / 8mm Air Gap / 4mm Clear	★★★★★↘	★★★★↘	58%	37%	3.4	0.35	0.5	168
BERKELEY 100 - Sliding Door [Nursing Home Sill] [Single Glazed]									
ULL-034-01	6.38mm Comfort Plus Grey	★★★★↘	★★★★↘	50%	28%	4.4	0.4	0.31	0.12
ULL-034-02	6.38mm Comfort Plus Neutral	★★★★↘	★★★★↘	48%	29%	4.4	0.42	0.47	0.12
ULL-034-03	6.38mm Comfort Plus Green	★★★★↘	★★★★↘	49%	29%	4.4	0.41	0.57	0.12
ULL-034-04	6.38mm Comfort Plus Clear	★★★↘	★★★★↘	38%	36%	4.4	0.56	0.66	0.12
ULL-034-05	6mm Clear	★	★★★↘	19%	19%	6.1	0.67	0.71	0.12
ULL-034-06	6mm Grey	★★★↘	★★	36%	10%	6.1	0.47	0.33	0.12
ULL-034-07	6mm Green	★★	★★★↘	34%	12%	6.1	0.5	0.62	0.12
ULL-034-08	6mm Energy Tech	★★★↘	★★★★↘	37%	37%	4.4	0.57	0.65	0.12
BERKELEY 100 - Sliding Door [Nursing Home Sill] [Double Glazed]									
ULL-033-01	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Grey	★★★↘	★★★★★↘	46%	49%	3.2	0.53	0.28	0.12
ULL-033-02	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Neutral	★★★↘	★★★★★↘	46%	49%	3.2	0.53	0.43	0.12
ULL-033-03	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Green	★★★↘	★★★★★↘	46%	49%	3.2	0.53	0.51	0.12
ULL-033-04	4mm Clear / 8mm Argon Gap / 6.38mm Comfort Plus Clear	★★★↘	★★★★★↘↘	43%	51%	3.2	0.57	0.59	0.12
ULL-033-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★↘	★★★★★↘	37%	47%	3.7	0.61	0.64	0.12
ULL-033-06	4mm Clear / 10mm Argon Gap / 4mm Energy Tech	★★★↘	★★★★★↘↘	43%	52%	3.1	0.57	0.6	0.12
ULL-033-07	4mm Clear / 8mm Argon Gap / 6mm Energy Tech	★★★↘	★★★★★↘↘	43%	51%	3.2	0.57	0.59	0.12
BERKELEY 165 - Sliding Door [Single Glazed]									
ULL-035-01	6.38mm ComfortPlus Grey	★★★★↘	★★★★↘	49%	26%	4.6	0.4	0.31	0.18
ULL-035-02	6.38mm ComfortPlus Neutral	★★★★↘	★★★★↘	48%	26%	4.6	0.41	0.47	0.18
ULL-035-03	6.38mm ComfortPlus Green	★★★★↘	★★★★↘	48%	26%	4.6	0.41	0.57	0.18
ULL-035-04	6.38mm ComfortPlus Clear	★★★↘	★★★★↘	38%	34%	4.6	0.55	0.66	0.18
ULL-035-05	6mm Clear	★	★★★↘	19%	16%	6.3	0.66	0.71	0.18
ULL-035-06	6mm Grey	★★★↘	★★	35%	7%	6.3	0.47	0.33	0.18
ULL-035-07	6mm Green	★★↘	★★	33%	9%	6.3	0.5	0.61	0.18
ULL-035-08	6mm EnergyTech	★★★↘	★★★★↘	37%	34%	4.6	0.56	0.65	0.18
BERKELEY 165 - Sliding Door [Double Glazed]									
ULL-036-01	4mm Clear / 8mm Argon Gap / 6.38mm ComfortPlus Grey	★★★↘	★★★★★↘	45%	47%	3.4	0.53	0.28	0.18
ULL-036-02	4mm Clear / 8mm Argon Gap / 6.38mm ComfortPlus Neutral	★★★↘	★★★★★↘	45%	47%	3.4	0.53	0.42	0.18
ULL-036-03	4mm Clear / 8mm Argon Gap / 6.38mm ComfortPlus Green	★★★↘	★★★★★↘	45%	47%	3.4	0.53	0.51	0.18
ULL-036-04	4mm Clear / 8mm Argon Gap / 6.38mm ComfortPlus Clear	★★★↘	★★★★★↘	43%	48%	3.4	0.56	0.59	0.18
ULL-036-05	4mm Clear / 10mm Argon Gap / 4mm Clear	★★★↘	★★★★★↘	35%	43%	4	0.61	0.64	0.18
ULL-036-06	4mm Clear / 10mm Argon Gap / 4mm EnergyTech	★★★↘	★★★★★	42%	50%	3.3	0.57	0.6	0.18
ULL-036-07	4mm Clear / 8mm Argon Gap / 6mm EnergyTech	★★★↘	★★★★★↘	42%	49%	3.4	0.57	0.59	0.18

// PENTAGON SLIDING WINDOW

WINDOW ID	GLAZING	COOLING STARS	HEATING STARS	COOL %	HEAT %	TOTAL WINDOW - AFRC			
						Uw	SHGC	Tvw	Air Inf
PENTAGON 50 - Sliding Window [Single Glazed]									
ULL-017-01	4mm Clear	☀	★★★	9%	18%	6.4	0.75	0.78	1
ULL-017-02	6mm Sunergy Clear	★★★★☀	★★★★★	38%	28%	4.9	0.52	0.59	1
ULL-017-03	6.38mm Grey Laminate-SL20	★★★★	★★	46%	00%	6.3	0.32	0.11	1
ULL-017-04	6mm Green	★★☀	★★	29%	10%	6.4	0.55	0.67	1
ULL-017-05	6.38mm Comfort Plus Neutral	★★★★☀	★★★★★	45%	30%	4.5	0.46	0.51	1
ULL-017-06	6mm Super Green	★★★	★★	35%	6%	6.4	0.47	0.58	1
ULL-017-07	6.38mm Clear Laminate	☀	★★★★	14%	21%	6.1	0.72	0.78	1
ULL-017-08	6.38mm Comfort Plus Clear	★★☀	★★★★★	32%	36%	4.6	0.61	0.72	1
ULL-017-09	6mm Grey	★★☀	★★	31%	8%	6.4	0.52	0.37	1
ULL-017-10	6mm Energy Tech	★★☀	★★★★★	31%	37%	4.6	0.62	0.71	1
ULL-017-11	4mm Sunergy Clear	★★★★☀	★★★★★	36%	28%	5	0.54	0.6	1
ULL-017-12	4mm Energy Tech	★★☀	★★★★★	29%	36%	4.7	0.64	0.73	1
ULL-017-13	6.38mm ComfortPlus Grey	★★★★☀	★★★★★	45%	29%	4.6	0.45	0.34	1
ULL-017-14	6.38mm ComfortPlus Green	★★★★☀	★★★★★	44%	29%	4.6	0.46	0.62	1
PENTAGON 50 - Sliding Window [Double Glazed]									
ULL-037-01	5mm Clear / 6mm Air Gap / 5mm Clear	★★★★☀	★★★★★	36%	36%	4.5	0.57	0.61	1
ULL-037-02	5mm Grey / 6mm Air Gap / 5mm Clear	★★★★☀	★★★★★	49%	27%	4.5	0.4	0.32	1
ULL-037-03	4mm Clear / 8mm Air Gap / 4mm Clear	★★★★☀	★★★★★	36%	39%	4.3	0.59	0.62	1
ULL-037-04	4mm Clear / 8mm Argon Gap / 4mm Clear	★★★★☀	★★★★★	36%	40%	4.2	0.59	0.62	1
ULL-037-05	4mm Clear / 8mm Air Gap / 4mm EnergyTech	★★★★☀	★★★★★	41%	43%	3.8	0.55	0.57	1
ULL-037-06	4mm Clear / 8mm Argon Gap / 4mm EnergyTech	★★★★☀	★★★★★	42%	47%	3.5	0.56	0.57	1
ULL-037-07	4mm Grey / 8mm Air Gap / 4mm Clear	★★★★	★★★★	47%	32%	4.3	0.44	0.38	1

WINDOW ID	GLAZING	COOLING STARS	HEATING STARS	COOL %	HEAT %	TOTAL WINDOW - AFRC			
						Uw	SHGC	Tvw	Air Inf
PENTAGON 60 - Sliding Window [Single Glazed]									
ULL-013-01	4mm Clear	☀	★★★	13%	17%	6.4	0.72	0.74	3.13
ULL-013-02	6mm Sunergy Clear	★★★★	★★★★★	41%	27%	4.9	0.49	0.56	3.13
ULL-013-03	6.38mm Grey Laminate-SL20	★★★★	★★	46%	.01%	6.3	0.31	0.11	3.13
ULL-013-04	6mm Green	★★	★★	31%	8%	6.4	0.52	0.64	3.13
ULL-013-05	6.38mm Comfort Plus Neutral	★★★★	★★★★★	46%	28%	4.6	0.44	0.49	3.13
ULL-013-06	6mm Super Green	★★★★	★★	36%	5%	6.4	0.45	0.55	3.13
ULL-013-07	6.38mm Clear Laminate	☀	★★★	16%	17%	6.3	0.69	0.74	3.13
ULL-013-08	6.38mm Comfort Plus Clear	★★★★	★★★★★	35%	35%	4.6	0.58	0.68	3.13
ULL-013-09	6mm Grey	★★	★★	33%	17%	6.4	0.5	0.35	3.13
ULL-013-10	6mm Energy Tech	★★	★★★★★	33%	35%	4.7	0.6	0.68	3.13
ULL-013-11	4mm Sunergy Clear	★★★★	★★★★★	37%	26%	5.1	0.52	0.57	3.13
ULL-013-12	4mm Energy Tech	★★	★★★★★	32%	35%	4.7	0.61	0.69	3.13
ULL-013-13	6.38mm ComfortPlus Grey	★★★★	★★★★★	46%	26%	4.7	0.43	0.32	3.13
ULL-013-14	6.38mm ComfortPlus Green	★★★★	★★★★★	46%	28%	4.6	0.44	0.59	3.13

// PENTAGON AWNING WINDOW

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
Pentagon 50 - Awning Window [Single Glazed]									
ULL-015-01	4mm Clear	☀	★★★★	14%	33%	6.6	0.7	0.71	0.1
ULL-015-02	6mm Sunergy Clear	★★★★	★★★★★	45%	43%	4.9	0.43	0.46	0.1
ULL-015-03	6.38mm Grey Laminate-SL20	★★	★★★★	31%	26%	6.5	0.51	0.61	0.1
ULL-015-04	6mm Green	★★	★★★★	34%	30%	6.2	0.5	0.61	0.1
ULL-015-05	6.38mm Comfort Plus Neutral	★★★★	★★★★★	41%	43%	5.1	0.48	0.53	0.1
ULL-015-06	6mm Super Green	★★★★	★★★	37%	22%	6.5	0.44	0.53	0.1
ULL-015-11	6.38mm Clear Laminate	★★	★★★★★	20%	39%	6.1	0.66	0.7	0.1
ULL-015-12	6.38mm Comfort Plus Clear	★★★★	★★★★★	37%	55%	4.5	0.56	0.65	0.1
ULL-015-13	6mm Grey	★★★★	★★★★	35%	29%	6.2	0.48	0.33	0.1
ULL-015-14	6mm Energy Tech	★★★★	★★★★★	36%	54%	4.6	0.57	0.64	0.1
ULL-015-15	4mm Sunergy Clear	★★★★	★★★★★	39%	46%	5	0.51	0.54	0.1
ULL-015-16	4mm Energy Tech	★★	★★★★★	34%	55%	4.6	0.59	0.65	0.1
ULL-015-17	6.38mm ComfortPlus Grey	★★★★	★★★★★	47%	46%	4.6	0.42	0.31	0.1
ULL-015-18	6.38mm ComfortPlus Green	★★★★	★★★★★	47%	47%	4.6	0.43	0.56	0.1
Pentagon 50 - Awning Window [Double Glazed]									
ULL-015-07	4mm Clear / 8mm Air Gap / 4mm Clear	★★★★	★★★★★	37%	62%	4	0.59	0.6	0.1
ULL-015-08	4mm Sunergy Clear / 8mm Air Gap / 4mm Clear	★★★★	★★★★★	42%	64%	3.7	0.55	0.46	0.1
ULL-015-09	5mm Clear / 6mm Air Gap / 5mm Clear	★★	★★★★★	27%	64%	4.2	0.69	0.59	0.1
ULL-015-10	4mm Clear / 8mm Argon Gap / 4mm Clear	★★	★★★★★	25%	69%	3.9	0.72	0.6	0.1
ULL-015-19	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Grey	★★★★	★★★★★	47%	60%	3.7	0.48	0.26	0.1
ULL-015-20	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Neutral	★★★★	★★★★★	47%	60%	3.7	0.48	0.4	0.1
ULL-015-21	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Green	★★★★	★★★★★	47%	60%	3.7	0.48	0.48	0.1
ULL-015-22	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Clear	★★★★	★★★★★	44%	62%	3.7	0.52	0.55	0.1
ULL-015-23	4mm Clear / 8mm Air Gap / 4mm EnergyTech	★★★★	★★★★★	43%	66%	3.5	0.55	0.56	0.1
ULL-015-24	4mm Clear / 8mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	44%	68%	3.3	0.55	0.56	0.1

Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	T _{vw}	Air Inf
Pentagon 60 - Awning Window [Single Glazed]									
ULL-016-01	4mm Clear	★	★★★★	19%	34%	6.4	0.66	0.67	0
ULL-016-02	6mm Sunergy Clear	★★★★	★★★★★	47%	45%	4.7	0.41	0.44	0
ULL-016-03	6.38mm Grey Laminate-SL20	★★★	★★★★	35%	29%	6.2	0.48	0.58	0
ULL-016-04	6mm Green	★★★★	★★★	48%	18%	6.2	0.29	0.1	0
ULL-016-05	6.38mm Comfort Plus Neutral	★★★	★★★★★	42%	44%	5	0.46	0.51	0
ULL-016-06	6mm Super Green	★★★	★★★★	40%	25%	6.2	0.41	0.5	0
ULL-016-07	6.38mm Clear Laminate	★★	★★★★	23%	36%	6.2	0.63	0.67	0
ULL-016-08	6.38mm Comfort Plus Clear	★★★	★★★★★	39%	51%	4.7	0.53	0.61	0
ULL-016-09	6mm Grey	★★★	★★★★	36%	26%	6.3	0.46	0.31	0
ULL-016-10	6mm Energy Tech	★★★	★★★★★	38%	51%	4.7	0.54	0.61	0
ULL-016-11	4mm Sunergy Clear	★★★	★★★★★	40%	42%	5.2	0.48	0.51	0
ULL-016-12	4mm Energy Tech	★★★	★★★★★	36%	51%	4.8	0.56	0.62	0
ULL-016-13	6.38mm ComfortPlus Grey	★★★★	★★★★★	50%	48%	4.4	0.4	0.29	0
ULL-016-14	6.38mm ComfortPlus Green	★★★★	★★★★★	50%	48%	4.4	0.4	0.53	0

// PENTAGON SLIDING DOOR



Window ID	Glazing	Cooling Stars	Heating Stars	Cool %	Heat %	Total Window - AFRC			
						Uw	SHGC	Tvw	Air Inf
Pentagon 90 - Sliding Door [Single Glazed]									
ULL-014-01	5mm Clear	★	★★★	15%	16%	6.4	0.7	0.74	172
ULL-014-02	6.38mm Comfort Plus Neutral	★★★★	★★★★★	46%	28%	4.6	0.44	0.49	172
ULL-014-03	6.38 Sunergy Clear	★★★★	★★★★★	41%	27%	4.9	0.49	0.56	172
ULL-014-04	6.38 Grey Laminate	★★	★★	34%	6%	6.4	0.48	0.37	172
ULL-014-05	6.38 Sunergy Grey	★★★★★	★★★	49%	20%	4.9	0.37	0.27	172
ULL-014-06	6mm Super Green	★★★★	★★	37%	6%	6.3	0.45	0.55	172
ULL-014-07	6.38mm Clear Laminate	★★★★	★★★★★	38%	38%	6.3	0.69	0.74	172
ULL-014-08	6.38mm Comfort Plus Clear	★★★★	★★★★★	36%	42%	4.6	0.58	0.68	172
ULL-014-09	6mm Grey	★★★★	★★★★★	35%	43%	6.4	0.5	0.35	172
ULL-014-10	6mm Energy Tech	★★★★★	★★★★★	52%	40%	4.7	0.59	0.68	172
ULL-014-11	4mm Sunergy Clear	★★★★★	★★★★★	50%	34%	5.1	0.52	0.57	172
ULL-014-12	4mm Energy Tech	★	★★★	16%	17%	4.7	0.61	0.69	172
ULL-014-13	6.38mm ComfortPlus Grey	★★★★	★★★★★	35%	35%	4.7	0.43	0.32	172
ULL-014-14	6.38mm ComfortPlus Green	★★	★★	33%	7%	4.7	0.44	0.59	172
ULL-014-15	6.38mm Clr Laminate / 6mm Air Gap / 6.38mm Clr Laminate	★★	★★★★★	34%	34%	4.3	0.56	0.62	172
ULL-014-16	4mm Clear / 10mm Air Gap / 4mm Clear	★★★★	★★★★★	37%	26%	4.1	0.6	0.62	172
ULL-014-17	4mm Clear / 10mm Argon Gap / 4mm Clear	★★	★★★★★	32%	35%	4	0.61	0.62	172
ULL-014-18	4mm Sunergy Clear / 10mm Argon Gap / 4mm Clear	★★★★	★★★★★	46%	26%	3.5	0.43	0.48	172
ULL-014-19	6mm Sunergy Clear / 6mm Air Gap / 6.38mm Clear Laminate	★★★★	★★★★★	45%	27%	4	0.42	0.47	172
ULL-014-20	4mm Clear / 10mm Argon Gap / 4mm EnergyTech	★★★★	★★★★★	43%	49%	3.3	0.56	0.58	172
ULL-014-21	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Grey	★★★★	★★★★★	46%	38%	3.9	0.48	0.27	172
ULL-014-22	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Neutral	★★★★	★★★★★	46%	38%	3.9	0.48	0.41	172
ULL-014-23	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Green	★★★★	★★★★★	46%	39%	3.9	0.49	0.49	172
ULL-014-24	5mm Clear / 6mm Air Gap / 6.38mm ComfortPlus Clear	★★★★	★★★★★	43%	41%	3.9	0.53	0.57	172

// ACOUSTIC RATINGS



PRODUCT	CONFIGURATION	SAMPLE SIZE	GLAZING	Rw(Ctr:Ctr)	TEST
Fraser 48 - Sliding Window	XO	1200 x 1800	4mm float	30 (-1 ; -3)	ATF2101
Fraser 48 - Sliding Window	XO	1200 x 1800	6.38mm laminate	31 (0 ; -2)	ATF2099
Fraser 48 - Sliding Window	XO	1200 x 1800	6.38mm laminate	31 (0 ; -2)	ATF2100
Fraser 48 - Sliding Window	XO	1200 x 1800	10.38mm laminate	31 (0 ; -2)	4201-3
Fraser 100 - Sliding Window	XO	1200 x 1800	6.38mm laminate	31 (-1 ; -2)	ESTIMATE
Fraser 100 - Sliding Window	XO	1200 x 1800	10.38mm laminate	33 (-1 ; -2)	4201-6
Fraser 100 - Sliding Window	XO	1200 x 1800	12.38mm laminate	34 (-1 ; -2)	ESTIMATE
Hudson 48 - Double Hung Window	DD	1200 x 1800	4mm float	28 (-1 ; -2)	ATF2102
Hudson 48 - Double Hung Window	DD	1200 x 1800	6.38mm laminate	31 (-1 ; -2)	ATF2103
Hudson 48 - Double Hung Window	DD	1200 x 1800	10.38mm laminate	31 (-1 ; -2)	ESTIMATE
Casuarina 48 - Awning Window	AA	1200 x 1800	4mm float	27 (-1 ; -2)	ATF2098
Casuarina 48 - Awning Window	AA	1200 x 1800	6.38mm laminate	31 (0 ; -2)	ATF2097
Casuarina 48 - Awning Window	AA	1200 x 1800	6.38mm laminate	32 (0 ; -1)	ATF2104
Casuarina 48 - Awning Window	AA	1200 x 1800	10.38mm laminate	33 (-1 ; -2)	ESTIMATE
Casuarina 48 - Awning Window	AA	1200 x 1800	12.38mm laminate	35 (-1 ; -3)	4201-2
Casuarina 48 - Awning Window	AA	1200 x 1800	6.38mm / 6mm air / 6.38mm	34 (-1 ; -3)	4201-1
Casuarina 100 - Awning Window	AA	1200 x 1800	6.38mm laminate	32 (-1 ; -2)	4201-4
Casuarina 100 - Awning Window	AA	1200 x 1800	10.38mm laminate	35 (-1 ; -3)	4201-5
Casuarina 100 - Awning Window	AA	1200 x 1800	12.38mm laminate	37 (-1 ; -2)	ESTIMATE
Hamilton 105 - Sliding Door	XO	2100 x 1800	4mm toughened	30 (-1 ; -3)	ATF2096
Hamilton 105 - Sliding Door	XO	2100 x 1800	6.38mm laminate	32 (-1 ; -3)	ATF2095
Hamilton 105 - Sliding Door	XO	2100 x 1800	10.38mm laminate	35 (-2 ; -3)	ATF2094
Hamilton 105 - Sliding Door	XO	2100 x 1800	12.38mm laminate	36 (-1 ; -3)	ESTIMATE
Hamilton 165 - Sliding Door [Sec. Glazed]	XO	2100 x 1800	10.76mm sound control / 75mm air / 6.76mm sound control	47 (-1 ; -7)	4857-12
Hamilton 165 - Sliding Door [Sec. Glazed]	XO	2100 x 1800	6.38mm laminate / 75mm air / 6.38mm laminate	43 (-1 ; -5)	4857-13
Whitsunday 100 - Awning Window	AF	2100 x 2100	6.38mm laminate	32 (-1 ; -2)	4201-11
Whitsunday 100 - Awning Window	AF	2100 x 2100	10.38mm laminate	34 (-1 ; -2)	4201-10
Macleay 10160 - Sliding Door	XO	2100 x 2100	6.38mm laminate	32 (-1 ; -3)	4201-8
Macleay 10160 - Sliding Door	XO	2100 x 2100	10.38mm laminate	34 (-1 ; -3)	4201-7
Aspen 145 - Hinged Door	DF	2100 x 2100	6.38mm laminate	30 (-1 ; -2)	ESTIMATE
Aspen 145 - Hinged Door	DF	2100 x 2100	10.38mm laminate	30 (-1 ; -2)	ESTIMATE
Aspen 145 - Hinged Door	DF	2100 x 2100	12.38mm laminate	33 (-1 ; -2)	4201-9
Dover 100 - Hinged Door	DH-F	1200 x 1800	6.5MM VLAM HUSH	31 (0 ; -2)	4857-1
Dover 100 - Hinged Door	DH-F	1200 x 1800	6.38MM VLAM	30 (-1 ; -1)	4857-2
Merivale 100 - Awning Window	A	1200 x 1800	6.5MM VLAM HUSH	35 (-1 ; -3)	4857-3
Merivale 100 - Awning Window	A	1200 x 1800	6.38MM VLAM	33 (-1 ; -2)	4857-4
Merivale 100 - Awning Window	A	1200 x 1800	10.5MM VLAM HUSH	38 (-1 ; -4)	4857-5
Berkeley 100 - Sliding Door	XO	2100 x 1800	6.38MM VLAM	33 (-1 ; -3)	4857-6
Berkeley 100 - Sliding Door	XO	2100 x 1800	10.38MM VLAM	34 (-1 ; -2)	4857-7
Berkeley 100 - Sliding Door	XO	2100 x 1800	6.76MM SOUND CONTROL LAMINATE	35 (-1 ; -4)	4857-8
Berkeley 100 - Sliding Door	XO	2100 x 1800	10.76MM SOUND CONTROL LAMINATE	37 (0 ; -3)	4857-9
Berkeley 165 - Sliding Door [Sec. Glazed]	XO/XO	2100 x 1800	10.76mm sound control / 87mm air / 6.76mm sound control	49 (-3 ; -8)	4857-10
Berkeley 165 - Sliding Door [Sec. Glazed]	XO/XO	2100 x 1800	10.38mm sound control / 87mm air / 6.38mm sound control	47 (-1 ; -7)	4857-11

WITH A MODERN DESIGN THAT UTILISES QUALITY SEALS AND HARDWARE COMPONENTS, WINTEC SYSTEMS EXCEED THE HIGHEST DEMANDS FOR ENERGY EFFICIENCY AND WEATHER PERFORMANCE. KEY FEATURES TO CONSIDER WHEN CHOOSING YOUR WINDOW OR DOOR SYSTEM INCLUDE:

1. **ECONOMY:** Reduce the annual cost of heating and cooling your home by choosing one of our high performance systems. As well as making sense economically, this contributes to the national effort to reduce the environmental impact of non-renewable energy use.
2. **SASH AND FRAME SEALING:** Heat leaves or enters a home through gaps around sashes and frames. WERS rated windows must satisfy Australian Standard 2047 for air infiltration performance. Wintec Systems utilise various seal types to achieve air leakage rates less than 0.5 litres per second per square metre of window area.
3. **WATER RESISTANCE:** The hollow aluminium extrusions we use not only aid in energy efficiency, they give superior performance in water penetration resistance and structural rigidity. In addition, our products incorporate a baffle in the drainage system that allows water to flow out but restricts air flowing through the window or door frame. This technique reduces the energy loss normally encountered through drain holes. The difference between a window that just meets AS2047 (5 L/s.m² air infiltration) and a Wintec Systems window is approximately half a heating star. The effect on cooling performance is much less.

4. **COMPLIANCE:** Wintec Systems is a member of the Australian Window Association and as such, conforms to an Industry code of conduct designed to protect consumers. Wintec Systems is inspected by third party NATA accredited auditors to validate that the window and door products examined have been manufactured to the relevant Australian standards and the legislation requirements of the Australian building code.

5. **SEVEN YEAR GUARANTEE:** This guarantee is in addition to all other rights and remedies in respect of these products which you are entitled to under the trade practices act and other similar state and territory laws and should be read in addition to any guarantees provided specific to the company of issue.

Wintec Systems are proudly guaranteed against defects arising from faulty workmanship or materials for a period of seven years from the date of delivery by Wintec Systems, subject to the following:

- a) The product is installed and maintained in accordance with the relevant Australian standards and recognised building practices.
- b) The product has not been subject to misuse, physical abuse or neglect.
- c) Only service work carried out by Wintec Systems personnel or authorised Wintec Systems agents is covered by this guarantee.
- d) Claims under this guarantee should be made within one month of the defect arising in the product.

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