

Fenestration system	Params	NFRC 100-97 - A	NFRC 100-97 - B	NFRC 100-2002	% Difference	
1-1a) Thermally broken Aluminum (TRR01), Casement [NFRC SLC]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.479	0.432	0.427	-12.18	-1.17
	SHGC	0.272	0.279	0.247	-10.12	-12.96
	VT	0.385	0.413	0.392	1.79	-5.36
1-1b) Thermally broken Aluminum (TRR01), Casement [NFRC Chicago]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.479	0.432	0.436	-9.86	0.92
	SHGC	0.272	0.279	0.248	-9.68	-12.50
	VT	0.385	0.413	0.392	1.79	-5.36
1-2a) Thermally Broken Aluminum (TRR01), Fixed [NFRC SLC]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.398	0.371	0.357	-11.48	-3.92
	SHGC	0.284	0.288	0.269	-5.58	-7.06
	VT	0.433	0.449	0.440	1.59	-2.05
1-2b) Thermally Broken Aluminum (TRR01), Fixed [NFRC Chicago]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.398	0.371	0.372	-6.99	0.27
	SHGC	0.284	0.288	0.278	-2.16	-3.60
	VT	0.433	0.449	0.440	1.59	-2.05
1-3) Thermally broken Aluminum (TRR01), Casement [NFRC Chicago, Valid. Size]	<i>Size</i>	40"x40"				
	U	0.430 [Test Result: U=0.41]		0.403	-6.70 [-1.7]	
	SHGC	0.279		0.257	-8.56	
	VT	0.414		0.413	-0.24	
2-1a) Aluminum (TRR99) Horizontal Slider [NFRC SLC]	<i>Size</i>	60"x36"	72"x48"	59"x47"	A	B
	U	0.615	0.553	0.481	-27.86	-14.97
	SHGC	0.345	0.344	0.311	-10.93	-10.61
	VT	0.499	0.516	0.508	1.77	-1.57
2-1b) Aluminum (TRR99) Horizontal Slider [NFRC Chicago]	<i>Size</i>	60"x36"	72"x48"	59"x47"	A	B
	U	0.615	0.553	0.519	-18.50	-6.55
	SHGC	0.345	0.344	0.313	-10.22	-9.90
	VT	0.499	0.516	0.508	1.77	-1.57
2-2) Aluminum (TRR99) Horizontal Slider [NFRC Chicago, Valid. Size]	<i>Size</i>	60"x36"				
	U	0.615 [Test Result: U=0.57]		0.546	-12.64 [-4.2%]	
	SHGC	0.345		0.309	-11.65	
	VT	0.499		0.499	0.00	
3-1a) Aluminum-Clad Wood (TRR97), Casement [NFRC SLC]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.374	0.360	0.353	-5.95	-1.98
	SHGC	0.328	0.342	0.321	-2.18	-6.54
	VT	0.543	0.575	0.553	1.81	-3.98
3-1b) Aluminum-Clad Wood (TRR97), Casement [NFRC Chicago]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.374	0.360	0.353	-5.95	-1.98
	SHGC	0.328	0.342	0.321	-2.18	-6.54
	VT	0.543	0.575	0.553	1.81	-3.98

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3-2a) Aluminum-Clad Wood (TRR97), Fixed [NFRC SLC]	<i>Size</i>	48"x48"	48"x72"	47"x59	A	B
	U	0.350	0.343	0.335	-4.48	-2.39
	SHGC	0.352	0.360	0.349	-0.86	-3.15
	VT	0.596	0.614	0.606	1.65	-1.32
3-2b) Aluminum-Clad Wood (TRR97), Fixed [NFRC Chicago]	<i>Size</i>	48"x48"	48"x72"	47"x59	A	B
	U	0.350	0.343	0.335	-4.48	-2.39
	SHGC	0.352	0.360	0.349	-0.86	-3.15
	VT	0.596	0.614	0.606	1.65	-1.32
3-3) Thermally broken Aluminum (TRR97), Casement [NFRC Chicago, Valid. Size]	<i>Size</i>	48"x48"				
	U	0.350 [Test Result: U=0.33]		0.339	-3.24 [2.7%]	
	SHGC	0.352		0.345	-2.03	
	VT	0.596		0.597	0.17	
4-1a) PVC window, Casement [NFRC SLC]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.312	0.310	0.312	0	0.64
	SHGC	0.266	0.290	0.264	-0.76	-9.85
	VT	0.384	0.426	0.394	2.54	-8.12
4-1b) PVC window, Casement [NFRC Chicago]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.312	0.310	0.312	0	0.64
	SHGC	0.266	0.290	0.264	-0.76	-9.85
	VT	0.384	0.426	0.394	2.54	-8.12
4-2a) PVC window, Fixed [NFRC SLC]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.310	0.308	0.308	-0.65	0
	SHGC	0.310	0.322	0.313	0.96	-2.88
	VT	0.463	0.483	0.473	2.11	-2.11
4-2b) PVC window, Fixed [NFRC Chicago]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.310	0.308	0.307	-0.98	-0.33
	SHGC	0.310	0.322	0.313	0.96	-2.88
	VT	0.463	0.483	0.473	2.11	-2.11
4-3) PVC window, Casement [NFRC Chicago, Valid. Size]	<i>Size</i>	24"x48"				
	U	0.312 [Test Result: U=0.31]		0.313	0.32 [1.0%]	
	SHGC	0.266		0.258	-3.10	
	VT	0.384		0.384	0	
5a-1a) Wood Window (PFM01), Casement [NFRC SLC]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.498	0.496	0.472	-5.51	-5.08
	SHGC	0.600	0.625	0.604	0.66	-3.48
	VT	0.646	0.677	0.656	1.52	-3.20
5a-1b) Wood Window (PFM01), Casement [NFRC Chicago]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.498	0.496	0.470	-5.96	-5.53
	SHGC	0.600	0.625	0.604	0.66	-3.48
	VT	0.646	0.677	0.656	1.52	-3.20

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5a-2a) Wood Window (PFM01), Fixed [NFRC SLC]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.494	0.493	0.471	-4.88	-4.67
	SHGC	0.642	0.657	0.651	1.38	-0.92
	VT	0.699	0.716	0.709	1.41	-0.99
5a-2b) Wood Window (PFM01), Fixed [NFRC Chicago]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.494	0.493	0.470	-5.11	-4.89
	SHGC	0.642	0.657	0.651	1.38	-0.92
	VT	0.699	0.716	0.709	1.41	-0.99
5a-3) Wood Window (PFM01), Casement [NFRC Chicago, Valid. Size]	<i>Size</i>	24"x36"				
	U	0.499 [Test Result: U=??]		0.474	-5.27 [??%]	
	SHGC	0.586		0.582	-0.69	
	VT	0.630		0.630	0	
5b-1a) Wood Window (PFM02), Casement [NFRC SLC]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.335	0.333	0.359	6.69	7.24
	SHGC	0.280	0.290	0.280	0	-3.57
	VT	0.320	0.340	0.360	11.11	5.56
5b-1b) Wood Window (PFM02), Casement [NFRC Chicago]	<i>Size</i>	24"x48"	30"x60"	24"x59"	A	B
	U	0.335	0.333	0.359	6.69	7.24
	SHGC	0.280	0.290	0.280	0	-3.57
	VT	0.320	0.340	0.360	11.11	5.56
5b-2a) Wood Window (PFM02), Fixed [NFRC SLC]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.358	0.352	0.346	-3.47	-1.73
	SHGC	0.299	0.305	0.301	0.66	-1.33
	VT	0.383	0.392	0.389	1.54	-0.77
5b-2b) Wood Window (PFM02), Fixed [NFRC Chicago]	<i>Size</i>	48"x48"	48"x72"	47"x59"	A	B
	U	0.358	0.352	0.345	-3.77	-2.03
	SHGC	0.299	0.305	0.301	0.66	-1.33
	VT	0.383	0.392	0.389	1.54	-0.77
5b-3) Wood Window (PFM02), Casement [NFRC Chicago, Valid. Size]	<i>Size</i>	24"x36"				
	U	0.380 [Test Result: U=??]		0.365	-4.11 [??%]	
	SHGC	0.276		0.271	-1.85	
	VT	0.345		0.346	0.29	

Fenestration system	Params	NFRC 100-97 - A	NFRC 100-97 - B	NFRC100-2002	% Difference	
8-1b) Curtain Wall with Skip-De-Bridge Thermal Break and Thermal Slot (CW#3) [NFRC Chicago]	<i>Size</i>	80"x80"	80"x80"	79"x79"	<i>A</i>	<i>B</i>
	U	0.567	0.567	0.550	-3.09	-3.09
	SHGC	0.620	0.620	0.607	-2.14	-2.14
	VT	0.670	0.670	0.674	0.59	0.59
8-2) Curtain Wall with Skip-De-Bridge Thermal Break and Thermal Slot (CW#3) [NFRC Chicago, Valid. Size]	<i>Size</i>	80"x80"				
	U	0.567 [Test Results: U=??]		0.543	-4.42 [??%]	
	SHGC	0.620		0.600	-3.33	
	VT	0.674		0.667	-1.05	
10-1a) Thermally broken Aluminum Skylight [NFRC SLC]	<i>Size</i>	48"x48" (46.5x46.5)	48"x48" (46.5x46.5)	47"x47" (45.5x45.5)	<i>A</i>	<i>B</i>
	U	0.541	0.541	0.641	15.60	15.60
	SHGC	0.617	0.617	0.584	-5.65	-5.65
	VT	0.708	0.708	0.706	-0.28	-0.28
10-1b) Thermally broken Aluminum Skylight [NFRC Chicago]	<i>Size</i>	48"x48" (46.5x46.5)	48"x48" (46.5x46.5)	47"x47" (45.5x45.5)	<i>A</i>	<i>B</i>
	U	0.541	0.541	0.670	19.25	19.25
	SHGC	0.617	0.617	0.584	-5.65	-5.65
	VT	0.708	0.708	0.706	-0.28	-0.28
10-2) Thermally broken Aluminum Skylight [NFRC Chicago, Valid. Size]	<i>Size</i>	24"x48"				
	U	0.669 [Test Result: U=??]		0.801	16.48 [??%]	
	SHGC	0.624		0.571	-9.28	
	VT	0.689		0.690	0.14	
11-1a) Aluminum clad wood skylight (Velux) [NFRC SLC]	<i>Size</i>	48"x48" (46.5x46.5)	48"x48" (46.5x46.5)	47"x47" (45.5x45.5)	<i>A</i>	<i>B</i>
	U	0.400	0.400	0.497	19.51	19.51
	SHGC	0.339	0.339	0.322	-5.28	-5.28
	VT	0.600	0.600	0.599	-0.16	-0.16
11-1b) Aluminum clad wood skylight (Velux) [NFRC Chicago]	<i>Size</i>	48"x48" (46.5x46.5)	48"x48" (46.5x46.5)	47"x47" (45.5x45.5)	<i>A</i>	<i>B</i>
	U	0.400	0.400	0.500	20.0	20.0
	SHGC	0.339	0.339	0.320	-5.93	-5.93
	VT	0.600	0.600	0.597	0.50	0.50
11-2) Aluminum clad wood skylight (Velux) [NFRC Chicago, Valid. Size]	<i>Size</i>	36"x60"				
	U	0.400 [Test Result: U=??]		0.501	20.15 [??%]	
	SHGC	0.338		0.322	4.97	
	VT	0.597		0.597	0	

Notes: NFRC SLC is NFRC simulation method as of Snowbird/Salt Lake City, Utah meeting (5/30/02)
NFRC Chicago is NFRC simulation method as of Chicago meeting (7/11/02)