



Sunrise Windows & Doors, Ltd.
200 Enterprise Drive
Temperance, MI 48182-9500
P: 734.847.8778
F: 734.847.7758
www.sunrisewindows.com

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Statement of Compliance

Made in Michigan

To Whom It May Concern:

Sunrise Windows, Ltd. is a window manufacturer located in Temperance, Michigan. This letter validates that greater than 50% of the cost to manufacture and assemble all Sunrise Windows products occurs within the state of Michigan, including but not limited to all products listed in the attached exhibits. As such, Sunrise Windows' aforementioned products meet the requirements for qualification in the "Made in Michigan" program as defined by Consumers Energy Residential Energy Efficiency Group.

A handwritten signature in black ink that reads 'Carl Will'.

Carl Will, President & C.O.O.
Sunrise Windows, Ltd.

NFRC Performance Specifications

Our windows are tested and certified to National Fenestration Rating Council (NFRC) standards. Product testing data can be viewed by going to NFRC's web site, www.nfrc.org, and entering the appropriate Certified Product Directory (CPD) number.

 	
ENERGY PERFORMANCE RATINGS	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
ADDITIONAL PERFORMANCE RATINGS	
Visible Transmittance	Air Leakage (U.S./I-P)
Condensation Resistance	
Manufacturers Request that their ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org	

* Argon (unless noted) - No-grids

					Double Hung	Slider	Tilt-In Slider	Standard Picture	Casement	Awning	Casement Picture	Sliding Door
Air Infiltration Rate					0.02	0.11	0.09	0.04	0.01	0.03	0.01	0.02
Dual Pane Glass Package Options	Glass Package	Order Code	% UV Blocked	NFRC CPD No.	SUW-K-1-01659	SUW-K-2-01449	SUW-K-6-01433	SUW-K-7-00547	SUW-K-14-00361	SUW-K-15-00361	SUW-K-16-00356	SUW-K-5-00279
	Clear Glass (air)	2000 Glass (air)	37%	U-Factor	0.45	0.46	0.45	0.45	0.42	0.42	0.44	0.45
				SHGC	0.59	0.60	0.59	0.63	0.53	0.53	0.61	0.56
				VT	0.63	0.63	0.62	0.66	0.57	0.57	0.65	0.59
				CR	44	44	44	45	45	45	46	46
	Passive U	P2100a	69%	NFRC CPD No.	SUW-K-1-01662	SUW-K-2-01452	SUW-K-6-01436	SUW-K-7-00550	SUW-K-14-00364	SUW-K-15-00364	SUW-K-16-00359	SUW-K-5-00477
				U-Factor	0.30	0.30	0.30	0.28	0.27	0.28	0.28	0.31
				SHGC	0.49	0.49	0.49	0.52	0.45	0.45	0.52	0.47
				VT	0.60	0.60	0.60	0.63	0.55	0.55	0.63	0.57
				CR	56	58	58	60	60	56	57	60
	Passive U²	P2210a	71%	NFRC CPD No.	SUW-K-1-01663	SUW-K-2-01453	SUW-K-6-01437	SUW-K-7-00551	SUW-K-14-00365	SUW-K-15-00365	SUW-K-16-00360	SUW-K-5-00460
				U-Factor	0.25	0.25	0.25	0.23	0.23	0.24	0.23	0.26
				SHGC	0.48	0.48	0.47	0.50	0.44	0.44	0.51	0.45
				VT	0.59	0.59	0.58	0.62	0.54	0.54	0.62	0.55
				CR	46	46	46	47	47	44	44	48
	Ultra-U Plus	N2100a	85%	NFRC CPD No.	SUW-K-1-01996	SUW-K-2-01456	SUW-K-6-01440	SUW-K-7-00554	SUW-K-14-00368	SUW-K-15-00368	SUW-K-16-00363	SUW-K-5-00461
				U-Factor	0.29	0.29	0.29	0.27	0.27	0.27	0.27	0.30
				SHGC	0.28	0.28	0.28	0.30	0.26	0.26	0.30	0.27
				VT	0.53	0.53	0.53	0.56	0.49	0.49	0.56	0.50
				CR	57	59	59	61	61	57	57	61
	Ultra-U Plus²	N2210a	85%	NFRC CPD No.	SUW-K-1-01667	SUW-K-2-01457	SUW-K-6-01441	SUW-K-7-00555	SUW-K-14-00369	SUW-K-15-00369	SUW-K-16-00364	SUW-K-5-00462
				U-Factor	0.25	0.25	0.25	0.23	0.23	0.23	0.22	0.25
				SHGC	0.28	0.28	0.27	0.29	0.26	0.26	0.29	0.26
				VT	0.52	0.52	0.52	0.55	0.48	0.48	0.55	0.49
				CR	47	47	47	48	48	45	44	49
	Omega 12	S2100a	95%	NFRC CPD No.	SUW-K-1-01995	SUW-K-2-01926	SUW-K-6-01444	SUW-K-7-00558	SUW-K-14-00372	SUW-K-15-00372	SUW-K-16-00367	SUW-K-5-00463
				U-Factor	0.28	0.28	0.28	0.27	0.26	0.26	0.26	0.29
				SHGC	0.21	0.21	0.21	0.22	0.19	0.19	0.22	0.20
				VT	0.49	0.49	0.49	0.52	0.45	0.45	0.52	0.46
				CR	57	59	59	62	61	57	57	61
	Omega 12²	S2210a	95%	NFRC CPD No.	SUW-K-1-01671	SUW-K-2-01461	SUW-K-6-01445	SUW-K-7-00559	SUW-K-14-00373	SUW-K-15-00373	SUW-K-16-00368	SUW-K-5-00464
				U-Factor	0.24	0.25	0.24	0.22	0.22	0.23	0.22	0.25
				SHGC	0.21	0.21	0.20	0.22	0.19	0.19	0.22	0.19
				VT	0.48	0.48	0.48	0.50	0.44	0.44	0.51	0.45
				CR	47	48	48	49	48	45	44	49

	
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U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
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Air Infiltration Rate					0.02	0.11	0.09	0.04	0.01	0.03	0.01	0.02
Triple Pane Glass Packages	Glass Package	Order Code	% UV Blocked	NFRC CPD No.	SUW-K-1-01736	SUW-K-2-01526	SUW-K-6-01510	SUW-K-7-00624	SUW-K-14-00438	SUW-K-15-00438	SUW-K-16-00443	SUW-K-5-00356
	AR90	N3200a	96%	U-Factor	0.23	0.23	0.23	0.21	0.21	0.21	0.20	0.23
				SHGC	0.22	0.22	0.22	0.23	0.20	0.2	0.23	0.21
				VT	0.42	0.42	0.42	0.44	0.38	0.38	0.44	0.39
				CR	67	65	66	67	68	68	69	64
	AR90²	N3310a	96%	NFRC CPD No.	SUW-K-1-01742	SUW-K-2-01532	SUW-K-6-01516	SUW-K-7-00630	SUW-K-14-00444	SUW-K-15-00444	SUW-K-16-00439	SUW-K-5-00362
				U-Factor	0.21	0.21	0.21	0.19	0.19	0.19	0.18	0.21
				SHGC	0.22	0.22	0.21	0.23	0.20	0.20	0.23	0.20
				VT	0.41	0.41	0.41	0.43	0.38	0.38	0.43	0.38
				CR	55	54	54	55	55	56	56	55
	KR90	N3200k	96%	NFRC CPD No.	SUW-K-1-01738	SUW-K-2-001528	SUW-K-6-01512	SUW-K-7-00626	SUW-K-14-00440	SUW-K-15-00440	SUW-K-16-00435	SUW-K-5-00358
				U-Factor	0.19	0.19	0.18	0.16	0.17	0.17	0.16	0.19
				SHGC	0.22	0.22	0.22	0.23	0.20	0.20	0.23	0.21
				VT	0.42	0.42	0.42	0.44	0.38	0.38	0.44	0.39
				CR	69	69	70	67	73	73	71	65
	KR90²	N3310k	96%	NFRC CPD No.	SUW-K-1-01744	SUW-K-2-01534	SUW-K-6-01518	SUW-K-7-00632	SUW-K-14-00446	SUW-K-15-00446	SUW-K-16-00441	SUW-K-5-00364
				U-Factor	0.17	0.17	0.17	0.15	0.16	0.16	0.15	0.18
				SHGC	0.22	0.22	0.21	0.23	0.20	0.20	0.23	0.20
				VT	0.41	0.41	0.41	0.43	0.38	0.38	0.43	0.38
				CR	60	59	59	61	61	61	62	60