



Sunrise Windows & Doors, Ltd.
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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.


| | | | |
|--|-----------------------------|--------|--|
|  | | Verde™ | |
| ENERGY PERFORMANCE RATINGS | | | |
| U-Factor (U.S./F-P) | Solar Heat Gain Coefficient | | |
| ADDITIONAL PERFORMANCE RATINGS | | | |
| Visible Transmittance | Air Leakage (U.S./F-P) | | |
| Condensation Resistance | | | |
| <small>Manufacturer states that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a best set of environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org</small> | | | |

* Argon (unless noted) - No-grids

| | | | | Double Hung | Slider | Tilt-In Slider | Standard Picture | Casement | Awning | Casement Picture | Sliding Door | |
|---------------------------------|------------------------------|-------------------|---------------------|---------------|---------------|----------------|------------------|----------------|----------------|------------------|----------------|---------------|
| Dual Pane Glass Package Options | Air Infiltration Rate | | | 0.02 | 0.11 | 0.09 | 0.04 | 0.01 | 0.03 | 0.01 | 0.02 | |
| | 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 |
| Passive U ² | 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 | |
| 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 | |
| Ultra-U Plus ² | 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 | |
| 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 | |
| Omega 12 ² | 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 | |

NFRC Performance Specifications

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| | |
|---|--|
|  | |
| 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 | |
| <small>Manufacturer declares that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for standard environmental conditions and a specific product size. Consult manufacturer's literature for other product performance information. www.nfrc.org</small> | |

* 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 | | |
| 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 | |
| | 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 | |
| | 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 | |
| | Performance Sash Option | | | | | | | | | | | | |
| | Triple Pane (1 3/8" IGU) Glass | AR90 | N3203a | 96% | NFRC CPD No. | | | | | SUW-K-14-00525 | SUW-K-15-00525 | SUW-K-16-00520 | |
| | | | | | U-Factor | n/a | n/a | n/a | n/a | 0.16 | 0.17 | 0.16 | n/a |
| SHGC | | | | | | | | | 0.20 | 0.20 | 0.23 | | |
| VT | | | | | | | | | 0.38 | 0.38 | 0.44 | | |
| CR | | | | | | | | | 75 | 73 | 73 | | |
| AR90² | | N3313a | 96% | NFRC CPD No. | | | | | SUW-K-14-00527 | SUW-K-15-00527 | SUW-K-16-00522 | | |
| | | | | U-Factor | n/a | n/a | n/a | n/a | 0.15 | 0.15 | 0.14 | n/a | |
| | | | | SHGC | | | | | 0.20 | 0.20 | 0.23 | | |
| | | | | VT | | | | | 0.37 | 0.37 | 0.43 | | |
| | | | | CR | | | | | 62 | 61 | 62 | | |