



Notice of
Certification Authorization Report
National Fenestration Rating Council

Neon Energy USA Inc

Autostrada Levan-Vlore km3
Levan - Fier, 9303, Albania

| | |
|---------------------|-----------|
| Product Line#: | NEO-K-17 |
| Certification ID#: | 11050 |
| Certification Date: | 4/5/2019 |
| Revision No: | 1 |
| Revision Date: | 3/13/2023 |
| Expiration Date: | 2/2/2028 |

Keystone Certifications, Inc.
145 Limekiln Rd, Suite 100B
New Cumberland, PA 17070
Phone: 717-932-8500

Product Line Information

| | |
|-----------------|---------------------|
| Model / Series: | Ultra Hopper Window |
| Operator Type: | PRAW |
| Frame Type: | AT |
| Sash Type: | AT |

Applicable Test Reports

| | |
|--------------------|--------------------|
| Validation Report: | P2847.01-116-46 |
| Simulation Report: | P2850.01-116-45-R1 |

Ratings Authorized For Certification

| Rating | Property | Authorized |
|----------|-----------------------------|------------|
| NFRC 100 | U-factor | Yes |
| NFRC 200 | Solar Heat Gain Coefficient | Yes |
| | Visible Light | Yes |
| NFRC 400 | Air Leakage | No |
| NFRC 500 | Condensation Resistance | Yes |

Corresponding CAR may be downloaded for printing at www.nfrc.org

Due diligence was used in authorizing these products for certification. By accepting this report the licensee agrees to hold harmless and indemnify Keystone Certifications, Inc. from all claims or liabilities which may arise based on this certification authorization. Certification authorization is based on NFRC program requirements and simulation and test reports from accredited laboratories.

This Certification Authorization Report is issued by Keystone Certifications, Inc. (KCI), an NFRC-Licensed Inspection Agency (IA), after a full review and validation in accordance with strict NFRC requirements and the standards referenced herein and is based on the standardized evaluation and rating of the product line by independent NFRC-Accredited Testing and Simulation Laboratories. Actual performance of products may vary based on many factors including, but not limited to, installation, site-conditions, age of product and use of non-evaluated components.

This authorization indicates that the product ratings for products included in this product line are valid and that these products are eligible for the application of NFRC Temporary and Permanent Labels. The Licensee stipulates in affixing certification labels to the individual products, that those specific products are representative of products that have been evaluated by KCI. Only products bearing such a certification label shall be considered certified. The information in this report can be verified at www.keystonecerts.com. Fenestration products are not NFRC Certified unless manufactured and labeled in accordance with the current version of NFRC-700, Product Certification Program requirements.



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Revision History

| Rev # | Date | Description |
|-------|-----------|-------------------|
| 0 | 4/5/2019 | Initial Issuance. |
| 1 | 3/13/2023 | Recertification. |

NFRC Product Certification Authorization Report



Manufacturer: NEON ENERGY USA INC. **Product Series:** Ultra Hopper Window **Simulation Lab:** SATI **Initial Cert. Date:** 04/05/2019
Street: 4989 E La Palma Avenue **Product Type:** PRAW **Sim. Report #:** P2850.01-116-45 R1 **Re-Certification Date:** 03/07/2023
City/State/Zip: Anaheim, CA 92807 **Air Leakage:** **Sim. Report Date:** 03/01/2023 **Revised Date:** 03/01/2023
Print Date: 03/13/2023 **Test Date:** 02/02/2023 **Expiration Date:** 02/02/2028

| CPD Number: NEO-K-17 | | | | | | | | | | | | | | | IA: Keystone Certifications, Inc. |
|----------------------|--------------|---|------------|-----------|--------------------|--------------|--------|--------------------|-------|----------|------|----------|------|------|-----------------------------------|
| Status | Product Num. | Manufacturer Code | Frame/Sash | Glaz Llys | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
| | 00214-00001 | SNX50/ARG90/CLR (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.027(2) | 0.630 | A1-D | Fill 1: ARG(90/10) | N | | CL | 0.41 | 0.14 | 0.28 | 49 |
| | 00215-00001 | SNX60/ARG90/CLR (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.026(2) | 0.630 | A1-D | Fill 1: ARG(90/10) | N | | CL | 0.41 | 0.16 | 0.34 | 49 |
| | 00216-00001 | SN4023/ARG90/CLR (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.026(2) | 0.630 | A1-D | Fill 1: ARG(90/10) | N | | CL | 0.41 | 0.13 | 0.23 | 49 |
| | 00217-00001 | SN7037/ARG90/CLR (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.022(2) | 0.630 | A1-D | Fill 1: ARG(90/10) | N | | CL | 0.41 | 0.21 | 0.40 | 48 |
| | 00218-00001 | SN7037/ARG90/CLR (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.022(2) | 0.630 | A1-D | Fill 1: ARG(90/10) | N | | CL | 0.41 | 0.21 | 0.40 | 49 |
| | 00219-00001 | SNX50/ARG90/CG-Dry (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.027(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.13 | 0.27 | 49 |
| | 00220-00001 | SNX50/ARG90/CG-Premium2T (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.027(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.14 | 0.28 | 51 |
| | 00221-00001 | SNX60/ARG90/CG-Dry (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.026(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.16 | 0.33 | 49 |
| | 00222-00001 | SNX60/ARG90/CG-Premium2T (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.026(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.16 | 0.33 | 51 |
| | 00223-00001 | SN4023/ARG90/CG-Dry (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.026(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.13 | 0.22 | 49 |
| | 00224-00001 | SN4023/ARG90/CG-Premium2T (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.026(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.13 | 0.22 | 51 |
| | 00225-00001 | SN51/ARG90/CG-Dry (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.026(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.15 | 0.28 | 49 |
| | 00226-00001 | SN51/ARG90/CG-Premium2T (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.026(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.15 | 0.28 | 51 |
| | 00227-00001 | SN7037/ARG90/CG-Dry (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.022(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.20 | 0.39 | 49 |
| | 00228-00001 | SN7037/ARG90/CG-Premium2T (6MM/6MM) - 28MM IG | AT/AT | 2 | 0.022(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.21 | 0.39 | 51 |
| | 00229-00001 | SN7037/ARG90/CG-Dry (6MM/5MM) - 27MM IG | AT/AT | 2 | 0.022(2), 0.2(4) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.37 | 0.20 | 0.39 | 49 |
| | 00230-00001 | SN7037/ARG90/CG-Premium2T (6MM/4MM) - 26MM IG | AT/AT | 2 | 0.022(2), 0.041(3) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.39 | 0.21 | 0.39 | 51 |

NFRC Product Certification Authorization Report



Manufacturer: NEON ENERGY USA INC. **Product Series:** Ultra Hopper Window **Simulation Lab:** SATI **Initial Cert. Date:** 04/05/2019
Street: 4989 E La Palma Avenue **Product Type:** PRAW **Sim. Report #:** P2850.01-116-45 R1 **Re-Certification Date:** 03/07/2023
City/State/Zip: Anaheim, CA 92807 **Air Leakage:** **Sim. Report Date:** 03/01/2023 **Revised Date:** 03/01/2023
Print Date: 03/13/2023 **Test Date:** 02/02/2023 **Expiration Date:** 02/02/2028

| CPD Number: NEO-K-17 | | IA: Keystone Certifications, Inc. | | | | | | | | | | | | | |
|----------------------|--------------|--|------------|-----------|--------------------|--------------|--------|--|-------|----------|------|----------|------|------|-----------|
| Status | Product Num. | Manufacturer Code | Frame/Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
| | 00231-00001 | SN7037/ARG90/CLR/ARG90/CGPremiu m2T (6MM/5MM/6MM) - 39MM IG | AT/AT | 3 | 0.022(2), 0.041(5) | 0.394,0.472 | TS-D | Fill 1: ARG(90/10) , Fill 2: ARG(90/10) | N | | CL | 0.32 | 0.19 | 0.36 | 51 |
| | 00232-00001 | SNX60/ARG90/CLR/ARG90/CGPremiu m2T (6MM/5MM/6MM) - 39MM IG | AT/AT | 3 | 0.026(2), 0.041(5) | 0.394,0.472 | TS-D | Fill 1: ARG(90/10) , Fill 2: ARG(90/10) | N | | CL | 0.32 | 0.15 | 0.30 | 51 |
| | 00233-00001 | SNX60/ARG90/CLR/ARG90/CGPremiu m2T (6MM/4MM/4MM) - 36MM IG | AT/AT | 3 | 0.026(2), 0.041(5) | 0.394,0.472 | TS-D | Fill 1: ARG(90/10) , Fill 2: ARG(90/10) | N | | CL | 0.32 | 0.15 | 0.31 | 50 |
| | 00234-00001 | SN7037/ARG90/CLR-LAMI (6MM/5MM 0 38PVB 5MM) - 32MM IG | AT/AT | 2 | 0.022(2) | 0.630 | TS-D | Fill 1: ARG(90/10) | N | | CL | 0.40 | 0.20 | 0.39 | 50 |

Baseline Information

| Test Lab | Test Date | Test Size | Tested U-Value | Standard U-Value | Test Report Number |
|-----------------|-------------------|------------------|-----------------------|-------------------------|---------------------------|
| TATI | 02/02/2023 | 962 mm x 2092 mm | 0.262 | 0.256 | P2847.01-116-46 |

Comments: 90% Argon, dual probe. Different frames, sashes, and paint finishes are grouped. Product line is grouped with NEO-K-8.

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA
Signature: _____