ECO Windows Systems, LLC
9114 N. W. 106th Street,
Medley, FL 33178

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series “750” Aluminum Sliding Glass Door w/ Reinforcements-S.M.I.

APPROVAL DOCUMENT: Drawing No. 18-21D, titled “Series- 750 Alum Sliding. Glass Door (S.M.I.)”, sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 01/18/18, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

Limitations:
1. See Design Pressures Vs Reinforcing, glass types and anchor capacity charts in sheet 2. Exterior (positive) design pressures are limited to +70 PSF w/ 2-3/4” sill riser and +47.0 PSF w/ 2” sill riser. Lower design Pressure from charts applies to entire system.
2. See approved configurations in sheets 2.

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by Sifang Zhao, P.E.
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS
1. Manufacturer's die drawings and sections.
2. Drawing No. 18-12D, titled “Series-750 Alum Sliding Glass Door (S.M.I.)”, sheets 1 through 8 of 8, prepared by Al-Farooq Corporation, dated 01/18/18, signed and sealed by Javad Ahmad, P.E.

B. TESTS
1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Small Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagrams of Alum sliding Glass doors, prepared by Fenestration Testing Lab, Inc., Test Report No. FTL-9831 dated 12/08/2017, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6th Edition), prepared by Al Farooq Corporation, dated 01/09/18, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTME-1300-09.

D. QUALITY ASSURANCE
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
1. Notice of Acceptance No. 17-1114.14 issued to Kuraray America, Inc for “Trosifol”: Ultra clear, clear & color PVB glass interlayer, expiring on 07/08/19.

F. STATEMENTS
2. Lab compliance as part of the above referenced test report.

G. OTHER
1. Test proposal #17-0580, dated 06/13/17 approved by Ishaq Chanda, P.E.

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Sifang Zhao, P.E.
Product Control Examiner
NOA No. 18-0129.10
Expiration Date: April 04, 2024
Approval Date: April 04, 2019
GLAZING OPTIONS

**SERIES-750**
**ALUMINUM SLIDING GLASS DOOR**

This product has been designed and tested to comply with the requirements of the 2017 (6th edition) Florida Building Code including high velocity hurricane zone (HVHZ).

BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUFACTURER'S INSTRUCTIONS, SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.

CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

APPROVED CONFIGURATIONS

**LAMINATED GLASS INSUL. LAM. GLASS SMALL MISSILE IMPACT**

**DOOR FRAME M**

1/2" x 1" OX (SHOWN)

XO
MAXIMUM DESIGN LOAD RATING = + 70.0 PSF
FOR SIZES SHOWN ABOVE OR SMALLER - 130.0 PSF

EXTERIOR(+ LOADS SHOWN ABOVE ARE FOR DOORS WITH 2-3/4" SILL HEIGHTS.
FOR 2" SILL HEIGHT LIMIT EXT.(-) LOADS TO 47.0 PSF.
DOORS WITH 1" SILL HEIGHTS ARE NOT APPROVED FOR WATER INfiltrATION RESISTANCE
SEE SHEET 3 FOR DETAILS.

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DOCS--DEC--219
WEEPHOLES:

W1 = 1-1/2" LONG NOTCH AT EACH END.
W2 = 3/16" X 7/8" LONG WEEP NOTCH AT 5" FROM ENDS AND 21-1/2" O.C.
W3 = 3/16" X 7/8" LONG WEEP NOTCH AT 3" FROM ENDS AND 22-1/2" O.C.

PILE PADS:

P1 = OPEN CELL FOAM AT EACH WEEP HOLE LOCATION
1-1/16" LONG X 7/16" WIDE X 7/16" HIGH
P2 = SELF ADHESIVE PILE PAD
1" X 3/8" X 1/4" HIGH
P3 = SELF ADHESIVE PILE PAD WITH MULTI INTEGRAL FIN
2-1/2" X 1" X 3/8" HIGH
P4 = OPEN CELL FOAM AT INTERLOCK
2" LONG X 1-7/16" WIDE X 7/16" HIGH

SILL HEIGHTS VS WATER RESISTANCE EXT.(+) LOAD

LIMIT MAX.
EXT.(+) LOADS
TO 2750 PSF
LIMIT MAX.
EXT.(+) LOADS
TO 7500 PSF

CONCRETE
3 KPSI MIN.

SILL
W1
W2
W3
W4

LOAD BEARING SHINGS
OR
POURED & HARDENED
HIGH STRENGTH GROUT
NON-SHRINK, NON METALLIC
f_c = 5000 PSI MIN.

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

TYPICAL ANCHORS
SEE ELEV. FOR SPACING

SILL WITHOUT RISER
NOT APPROVED FOR
WATER INFLATION RESISTANCE

See separate NDA
(see sheet 4)
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY ECO WINDOWS MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

**TYPICAL ANCHORS: SEE ELEV. FOR SPACING**

**TYPE 'A'**

1/4" DIA. ULTRA CON BY 'ELOQ' (Fy=177 KSI, Fy=155 KSI)

- Thru 1BY OR 2BY BUCKS INTO CONCRETE
- 1-1/4" MIN. EMBED INTO CONCRETE

**TYPE 'B'**

1/4" DIA. ULTRA CON BY 'ELOQ' (Fy=177 KSI, Fy=155 KSI)

- Directly into CONCRETE
- 1-3/4" MIN. EMBED

**TYPE 'C'**

1/4" DIA. SELF DRILLING SCREWS (GRADE 5 ORS)

- Into Miami-Dade County Approved Mullions or into Metal Structures
- (3) Threads MIN. Penetration Beyond Substrate
- ALUMINUM: 1/8" THK. MIN. (0.0063-0.015"
- STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
- (Steel in contact with Aluminum to be plated or painted)

**TYPE 'B'**

5/16" DIA. ULTRA CON BY 'ELOQ' (Fy=177 KSI, Fy=155 KSI)

- Directly into CONCRETE
- 2" MIN. EMBED

**TYPE 'A'**

1/4" DIA. ULTRA CON BY 'ELOQ' (Fy=177 KSI, Fy=155 KSI)

- Into 2BY Wood Bucks or Wood Structures
- 1-1/2" MIN. PENETRATION INTO WOOD
- Thru 1BY BUCKS INTO CONC. OR BLOCKS
- 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

**TYPE 'B'**

1/4" DIA. ULTRA CON BY 'ELOQ' (Fy=177 KSI, Fy=155 KSI)

- Directly into CONC. OR BLOCKS
- 1-1/4" MIN. EMBED INTO CONC. OR BLOCKS

**TYPE 'C'**

1/4" DIA. SELF DRILLING SCREWS (GRADE 5 ORS)

- Into Miami-Dade County Approved Mullions or into Metal Structures
- (3) Threads MIN. Penetration Beyond Substrate
- ALUMINUM: 1/8" THK. MIN. (0.0063-0.015"
- STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
- (Steel in contact with Aluminum to be plated or painted)

**TYPICAL EDGE DISTANCE**

- Into Concrete and Blocks = 2-1/2" MIN.
- Into Wood Structure = 1" MIN.
- Into Metal Structure = 3/4" MIN.

WOOD AT HEAD OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS Fc = 3000 PSI MIN.

C-90 Hollow/Filled Block at JAMBS F'c = 2000 PSI MIN.
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<th>ITEM #</th>
<th>PART #</th>
<th>QUANTITY</th>
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<td>TANDEM NYLON WHEELS IN ST. STEEL HOUSING</td>
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<td>FIXED PANEL SKATE</td>
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<td>3 FLY DUAL PONT LOCK ASSEMBLY</td>
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<td>SETTING BLOCKS AT 1/4 POINTS</td>
<td>EPDM</td>
<td>DUROMETER 80±5 SHORE A</td>
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**SEALANT:**

All joints and frame connections sealed with white/aluminum colored silicone.