International Impact Building Products, LLC
5900 Australian Avenue, Suite #300
West Palm Beach, FL 33407

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 “Titan 90” Aluminum Sliding Glass Door w/ reinforcements-Impact

APPROVAL DOCUMENT: Drawing No. W11-47 Rev D, titled “Series Titan 90 Alum Sliding Glass Door (L.M.I.)”, sheets 1 through 7 of 7, prepared by AL-Farooq Corporation, dated 08/22/11 and last revised on MAR 27, 2018, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitations:
1. The frame area of alternate size unit shall not exceed the frame area of the tested approved unit per FBC 24113.2.4 (i) (1). The panel height also must not exceed.

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 revises & renews NOA # 14-0624.22 and consists of this page 1 and evidence pages E-1 & E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0412.01
Expiration Date: July 01, 2024
Approval Date: June 28, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous approvals

A. DRAWINGS (submitted under files #11-0923.01/# 09-0127.14)
   1. Manufacturer's die drawings and sections.
   2. Drawing No. W11-47 Rev C, titled “Series Titan 90 Alum Sliding Glass Door (L.M.I.)”, sheets 1 through 7 of 7, prepared by AL-Farooq Corporation, dated 08/22/11 and last revised on AUG 12, 2014, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under files #11-0923.01/# 09-0127.14)
   1. Test reports on 1) Air Infiltration Test, per TAS 202-94  
      2) Uniform Static Air Pressure Test, Loading per TAS 202-94  
      4) Forced Entry Test per FBC 2411.3.2.1 and TAS202-94.  
      5) Large Missile Impact Test, per TAS 201-94  
      6) Cyclic Wind Pressure Loading, per TAS 203-94
   Along with marked-up drawings and installation diagram of an aluminum sliding glass door, prepared by Hurricane Testing Laboratories, Test Report No. HTL-0171-0713.07, dated 08-01-2008, signed and sealed by Vinu Abraham, P.E.

C. CALCULATIONS (submitted under files #11-0923.01)
   1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al Farooq Corporation, dated 09/20/11 and last revised on OCT25, 2011, signed and sealed by Javad Ahmad, P.E.
   2. Glazing complies w/ ASTM-1300-02,-04 &-09.

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

E. MATERIAL CERTIFICATIONS
   1. Notice of Acceptance No. 11-0624.02 issued to E.I. DuPont DeNemours & Co., Inc. for the “DuPont Sentry Glass interlayer®”, expiring on 01/14/17.

F. STATEMENTS
   1. Statement letter dated 06/24/14, compliance to FBC2014 (5th edition) and No financial interest, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
   2. Statement letter dated 11/16/11 compliance to FBC2010, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E. (submitted under files #11-0923.01)
   3. Statement letter dated 04/09/09, issued by Plaza Doors of all assets sold to Impact Building Products, signed by Roy Elwell, president Plaza Door (original in file # 09-0127.14)
   4. Statement letter dated 04/09/09, issued by Impact Building Products of all assets purchased from Plaza Doors, signed by Michael Fry, Managing Partner, International Impact Building Products (original in file #09-0127.14)
   5. Laboratory compliance, as a part of above test reports.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0412.01
Expiration Date: July 01, 2024
Approval Date: June 28, 2018
G. **OTHER**
   1. This NOA revives & renews NOA # 11-0923.01, expiring 07/01/18.
   2. Bill of Sales Assignment and Loan Purchase agreement between National City Bank and International Impact Building Products.

2. **New Evidence submitted.**

A. **DRAWINGS**
   1. Drawing No. W11-47 Rev D, titled “Series Titan 90 Alum Sliding Glass Door (L.M.I.)”, sheets 1 through 7 of 7, prepared by AL-Farooq Corporation, dated 08/22/11 and last revised on MAR 27, 2018, signed and sealed by Javad Ahmad, P.E.

B. **TESTS**
   1. None.

C. **CALCULATIONS**
   1. Anchor verification calculations and structural analysis, complying with FBC-2017 (6th Edition), prepared by Al Farooq Corporation, dated MAR 27, 2018, signed and sealed by Javad Ahmad, P.E.

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

E. **MATERIAL CERTIFICATIONS**
   1. Notice of Acceptance No. 17-0808.02 issued to Kuraray America, Inc. (former E.I. DuPont De Nemours & Co., Inc.) for “Kuraray Sentry Glass interlayer®,” expiring on 07/04/23.

F. **STATEMENTS**
   1. Statement letter of conformance to FBC 6th Edition (2017) and of no financial interest, prepared by Al Farooq Corporation, dated 01/26/18, signed and sealed by Javad Ahmad, P.E.
   2. Statement of lab compliance, as part of test report.

G. **OTHER**
   1. This NOA revives & renews NOA # 14-0624.22, expiring 07/01/24.

______________________________
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0412.01
Expiration Date: July 01, 2024
Approval Date: June 28, 2018

E - 2
SERIES 'TITAN 90' ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHART SHOWN ABOVE.

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 28R 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 ON STUDS.

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 DISIMILAR 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.

NOTE:
CLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

FALSE MUNTIN OPTIONAL

DAYLITE OPENINGS:
D.L.O. HEIGHT = PANEL HEIGHT = 7.000"
D.L.O. WIDTH = PANEL WIDTH = 6.625"
DOOR FRAME HEIGHT = PANEL HEIGHT + 1.250"

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
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<th>ITEM</th>
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</table>
1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY PLAZA DOOR
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS:

SEE ELEV. FOR SPACING

1/4" DIA. ULTRA CON BY "ELCO" (Fy=177 KSI, Fc=55 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMB)

THRU 1BY BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
1-1/2" MIN. EMBED INTO GROUT FILLED-BLOCKS (JAMBS)

DIRECTLY INTO CONC. OR BLOCKS
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL)
2" MIN. EMBED INTO CONC. OR FILLED-BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS
OR
INTO METAL STRUCTURES (HEAD/JAMB)

(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-75 MIN.)
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 GROUT FILLED-BLOCK AT JAMBS f'm = 2000 PSI MIN.
Frame Top Corner

Frame Bottom Corner

Panel Top Corner

Panel Bottom Corner

Apply bead of Sonneborn NP1 sealant at top and bottom joints.

Jamb notched to receive header and sill ribs.

Apply bead of Sonneborn NP1 sealant at top and bottom joints.

1/4" x 1-1/2" drain pan, factory applied.

Weepholes:

W1 = Cluster of six 3/8" weep holes at 17" from each end and 21" O.C.

W2 = 1/4" x 1-1/2" opening for drain pan at 17" from each end and 21" O.C.