NOTICE OF ACCEPTANCE (NOA)

Officina, Inc.
4141 N. E. 2nd Avenue, Suite #202
Miami, FL 33137

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 “Korus KA” Wood- clad Aluminum Outswing French Door-LMI

APPROVAL DOCUMENT: Drawing No. W08-31 Rev G, titled “Series Korus KA Aluminum Outswing French Door(LMI)”, sheets 1, 2, 2.1 through 8 of 8, dated 03/25/08 and last revised on July 09, 2018, prepared by Al-Farooq Corporation, 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

Limitations:
1. Single or double doors may be mulled with approved impacted clipped mullion (under separate approvals), lower design rating shall apply and such installation to be reviewed & approved by AHJ.
2. Side jambs can be installed into filled block or filled CMU or Concrete.
3. Optional item #6 (Alum glass stop cover) may be substituted with wood stop cover (item # 19).

LABELING: Each unit shall bear a permanent label with the manufacturer’s name or logo, Latina, Italy 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 # 17-0227.10 (Former Korus USA, Inc.) and consists of this page 1 and evidence pages E-1, E-2 & E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-0719.04
Expiration Date: July 03, 2023
Approval Date: September 13, 2018
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
1. Manufacturer's die drawings and sections (submitted under files below).
2. Drawing No. W08-31 Rev G, titled “Series Korus KA Aluminum Outswing French Door (LMI)”, sheets 1, 2, 2.1 through 8 of 8, dated 03/25/08 and last revised on MAR 23, 2017, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS (submitted under files #12-1231.06/ #09-0128.13/ #08-0512.17)
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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
   5) Large Missile Impact Test per FBC, TAS 201-94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with installation diagram of aluminum outswing door w/ 1-3/16” flange and without flange, prepared by Fenestration Testing Lab., Test Report No(s). FTL-6531, dated 11/12/12 and last revised on 07/02/13, signed and sealed by Jorge A. Naya, P.E.
   Note: This test report has addendum letter dated July 02, 2013 and impacted sample D-1 photograph (sent via e-mail dated 07/12/13) issued by Fenestration Testing Lab.
2. 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) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94
   5) Large Missile Impact Test per FBC, TAS 201-94
   6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with installation diagram of aluminum outswing door, prepared by Hurricane Testing Lab., Test Report No(s). HTL-0458-0606-07, dated 04/25/08, signed and sealed by Vinu J. Abraham, P.E.
3. Additional Referenced Korus fixed Windows test report # FTL-7101, dated 04/01/13 per TAS 201, 202 & 203-94, issued by Fenestration Testing Lab., signed & sealed by Marlin D. Brinson, P.E.

C. CALCULATIONS
1. Anchor verification calculations and structural analysis, complying with FBC-2014 (5th Edition), prepared by Al Farooq Corporation, dated FEB 23, 2017, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies w/ ASTM-E-1300-02, -04 & -09.

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

[Signature]
Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0719.04
Expiration Date: July 03, 2023
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E. MATERIAL CERTIFICATIONS
2. Notice of Acceptance No. 16-117.01 issued to Kuraray America, Inc. (Former E.I. DuPont DeNemours & Co., Inc. for the “Kuraray Trofosil Ultra clear and color PVB Interlayer (Former Kuraray Butacite ® PVB interlayer)”, expiring on 07/08/19.
3. Notice of Acceptance No. 12-1231.08 issued to Eastman Chemical Company (MA), Inc. (Former Solutia Inc.) for their “Saflex CP: Saflex and saflex HP composite interlayer w/ PET core”, expiring on 12/11/18.

F. STATEMENTS
1. Statement letter of conformance and letter of no financial interest, prepared by Al Farooq Corporation, dated 02/22/17, signed and sealed by Javad Ahmad, P.E.
2. Lab compliance as part of the above referenced test reports.
3. Bill of Sale dated JAN 20, 2017 between Korus USA, Inc.(Seller) and Officina, Inc., (Buyer), the seller, sells, conveys, assigned and transferred to buyer the assets and rights per sales agreement, respectively signed on behalf of their respective companies by Gianfranco Ippoliti (president) and Michele Laurito (CEO).
4. Statement letter dated 01/24/2017, issued by Korus USA, Inc. of sales of asset and relinquishing of all rights of past and present NOA(s), signed by Gianfranco Ippoliti (president).
5. Statement letter dated 01/24/2017, issued by Officina, Inc. of legally purchase of asset and rights of all past and present NOA(s) from Korus USA, Inc and requesting that NOA be issued with their company’s name, signed by Michele Laurito (CEO).
6. Distribution agreement dated 06/02/13 between manufacturer, Korus spa, Italy and Officina, Inc (distributor), signed by Fillippo Piccone and Michele Laurito on behalf of respective companies.

G. OTHER
1. This NOA revises NOA # 12-1231.06 (Former Korus USA, Inc.), expired on July 03, 2018.
2. Test proposal, dated 02/02/12 approved by RER and Test proposal # 04-0210, dated May 17, 2004, approved by BCCO.


A. DRAWINGS
1. Drawing No. W08-31 Rev G, titled “Series Korus KA Aluminum Outswing French Door(LMI)”, sheets 1, 2, 2.1 through 8 of 8, dated 03/25/08 and last revised on July 09, 2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

Isaak I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0719.04
Expiration Date: July 03, 2023
Approval Date: September 13, 2018

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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS
   1. None.

C. CALCULATIONS
   2. Glazing complies w/ ASTME-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. 17-0808.02 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the “Sentry Glass ® Interlayer”, expiring on 07/4/23.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2017 (6th Edition) and letter of no financial interest, dated 06/08/18, prepared by Al Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHER
   1. Distribution agreement dated 02/19/2017 between manufacturer, Korus spa, Italy and Officina, Inc (distributor), signed by Fillippo Piccone and Michele Laurito on behalf of respective companies.

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-0719.04
Expiration Date: July 03, 2023
Approval Date: September 13, 2018
These doors are rated for large & small missile impact. Shutters are not required.

Series Korus KA
Aluminum Outswing French Door

Approval applies to single (x) and double (xx) leaf doors. Also combination of door/door or door with Miami-Dade County approved sidelites & transoms by using Miami-Dade County approved large missile impact resistant cupped mullions in between.

Lower design pressures from door, sidelite, transom or Mullion approval will apply to entire system.

This product has been designed and tested to comply with the requirements of the 2005 (6th edition) Florida Building Code including high velocity hurricane zone (HVHZ).

SB 18 or 28 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 Building 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 drawings are to be analyzed separately, and to be reviewed by building official.

DOORS LOAD CAPACITY - PSF

<table>
<thead>
<tr>
<th>DOOR Dims.</th>
<th>Class Type A</th>
<th>Class Type B</th>
<th>Class Type C</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT. OPN.</td>
<td>INT. OPN.</td>
<td>LEAF</td>
<td>INT.</td>
</tr>
<tr>
<td>34&quot;</td>
<td>94-7/8&quot;</td>
<td>33-1/2&quot;</td>
<td>75.0</td>
</tr>
<tr>
<td>40-1/8&quot;</td>
<td>98&quot;</td>
<td>37-3/4&quot;</td>
<td>66.0</td>
</tr>
<tr>
<td>40-1/8&quot;</td>
<td>120&quot;</td>
<td>37-3/4&quot;</td>
<td>53.3</td>
</tr>
</tbody>
</table>

NOTE: Glass capacities on this sheet are based on ASTM E1300-09 (3 SEC. GUSTS) and Florida Building Commission Declaratory Statement DCAUDS-DEC-219.
ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE VERIFIED BY INScribing DOOR SHAPE WITHIN RECTANGLE AS SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.

APPROVED CONFIGURATIONS
SEALANTS:
LEAF CORNERS SEALED WITH DOWSIL 995 SEALANT.

HINGES:
(3) PER LEAF FOR INTERIOR OPN. HEIGHTS UPTO 94-7/8" AT 12" FROM TOP & BOTTOM AND 39 1/2" O.C. MAX.
(4) PER LEAF FOR INTERIOR OPN. HEIGHTS ABOVE 94-7/8" AT 5" FROM TOP & BOTTOM AND 27 1/2" O.C. MAX.
EACH HINGE FASTENED TO LEAF AND FRAME WITH (2) #14 x 2-3/8" FH MS
HINGE SPACING SHOWN ABOVE IS FOR RECTANGULAR SHAPED DOORS.
FOR ARCH TOP DOORS REDUCE HINGE SPACING AS REQD. TO MAINTAIN TOTAL QUANTITY.

ANTI-BLOW OUT CLIPS:
28" LONG SLIDE IN METALLIC BLOW-OUT CLIPS AT EACH FRAME JAMB
AND HINGE STILE AT 18" FROM TOP AND BOTTOM AND 30" O.C. MAX.
BLOW OUT CLIPS NOT REQUIRED FOR DOOR OPN. HEIGHTS UPTO 96 INCHES.

LOCKS:
ACTIVE LEAF:
MULTI POINT LOCK SYSTEM BY “SIEGELA” AT 41"
FROM BOTTOM
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD, SILL AND LOCK STILES
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(3) #12 x 2 3/4" FH MS
(12) #6 x 1 1/4" FH MS
(1) #6 x 3/4" FH SOS

INACTIVE LEAF:
TWO POINT LOCK SYSTEM BY “SIEGELA” AT 41"
FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(3) #12 x 2 3/4" FH MS
(10) #6 x 1 1/4" FH MS
(4) #6 x 7/8" FH SOS

KEEPERS:
SURFACE MOUNT KEEPERS FACING LOCK POINTS
(EACH KEEPER FASTENED TO FRAME AND STILE WITH
(3) #6 x 5/8" FH SOS

GLASS TYPE 'A'

GLASS TYPE 'B'

GLASS TYPE 'C'

GLAZING OPTIONS

- 1/4" HEAT STRENGTH GLASS
- 3/16" HEAT STRENGTH GLASS
- 3/16" ANNU. GLASS
- 3/16" ANN. GLASS
- 3/16" ANN. GLASS

- 0.75" Interlayer
- 0.90" Interlayer
- 0.90" Interlayer

Soflex CF w/ PET Core
SentryGlass
Treatco PVB
By "Eastman Chemical Co."
By "Kuray America, Inc.
By "Kuray America, Inc.

- 1/8" G.L.A. MIN. THICK.
- 1/4" ANN. GLASS
- 3/16" HEAT STRENGTH GLASS
- 3/16" HEAT STRENGTH GLASS
- 3/16" HEAT STRENGTH GLASS

- № X 5/8" TEKS OR SELF DRILLING SCREWS
- № X 5/8" TEKS OR SELF DRILLING SCREWS
- № X 5/8" TEKS OR SELF DRILLING SCREWS
AT 2" FROM ENDS AND 10" O.C. MAX.
AT 2" FROM ENDS AND 10" O.C. MAX.
AT 2" FROM ENDS AND 10" O.C. MAX.

ADAH AHMAD

Jul 9, 2018

Sheet 21 of 8
WOOD BUCKS AND METAL STRUCTURE NOT BY "OFFICINA INC." MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON BY "ELCO" (Fy=177 KSI, Fv=155 KSI)

INTO WOOD STRUCTURES

2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

THRU 1" OR 2" BUCKS INTO CONC. OR BLOCKS

1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-3/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2" MIN. EMBED INTO GROUT-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/JAMBS)

(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

CRITICAL 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 Fv = 3000 PSI MIN.

0-20 HOLLOW/FILLED BLOCK AT JAMBS Fv = 2000 PSI MIN.

SEALANTS:

INSTALLATION DETAILS FRAMES WITH 1/2" FLANGE

ANODIZED ALUMINUM IN ALUMINUM GROUING EDGE (L/L)
INSTALLATION DETAILS
FRAMES WITH 1/2" FLANGE