



**BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION**

**MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Zircon Corporation.
322 Moore Lane
Collierville, TN 38017**

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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: Astrocure A5000 Laminated Glass.

APPROVAL DOCUMENT: Drawing No.G03-01, Sheets 1 of 1, titled "Astrocure A5000 Laminated" dated 08/07/03, with last revision on 12/11/03 prepared by Al-Farooq Corporation signed and sealed by H. Farooq, PE, 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 Division.

MISSILE IMPACT RATING: None

LABELING: Glass laminated under this Product Approval shall be permanently marked in a corner of the glass with: "DCA. Astrocure A5000" standing for "Dade County Approved Astrocure A5000". This mark shall appear in the same area of the lite as the appropriate glass label.

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, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido F. Font PE.**

[Handwritten signature]
01/15/04



**NOA No: 03-0905.02
Expiration Date: January 15, 2009
Approval Date: January 15, 2004
Page 1**

Zircon Corporation.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No. GO3-01, sheet 1 of 1, prepared by Al-Farooq Corporation. issued on 08/07/03, with last revision on 12/11/03, signed and sealed by H. Farooq, PE.

B TEST REPORTS:

Laboratory Report	Test	Date	Signature
1. ETC 03-761-13137.0	ASTM D 635	03/04/03	J. L. Doldan, PE.
2. ETC 03-761-13137.0	ASTM D 1929	03/04/03	J. L. Doldan, PE.
3. ETC 03-761-13137.0	ASTM D 2843	03/04/03	J. L. Doldan, PE.
4. HETI 03-A001	ASTM G155	06/09/03	R. D. Seda, PE
5. HETI 03-T034	ASTM D638	06/09/03	R. D. Seda, PE
6. HETI 03-T035	ASTM D638	06/09/03	R. D. Seda, PE

C CALCULATIONS:

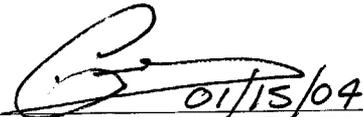
N/A

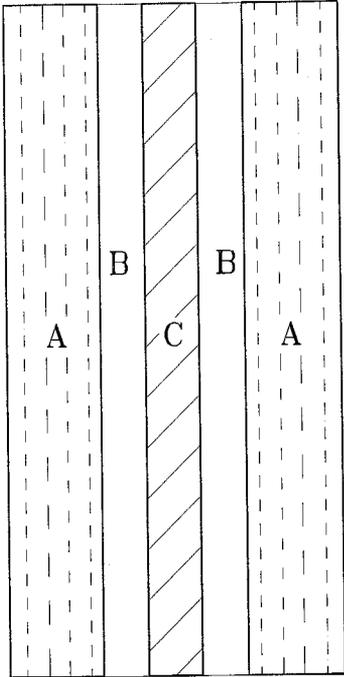
D QUALITY ASSURANCE:

1. Miami Dade County. Building Code Compliance Office.

E STATEMENTS:

1. Letter of No Financial Interest issued by Al-Farooq Corporation. on 08/19/03, signed and sealed by H. Farooq, PE.
2. Letter of code compliance issued by Al Farooq Corporation on 08/19/03, and signed by H. Farooq PE.


Candide F. Font PE.
Sr. Product Control Examiner
NOA No 03-0905.02
Expiration Date: January 15, 2009
Approval Date: January 15, 2004



PRODUCT DESCRIPTION

MANUFACTURED BY 'ZIRCON'
 A PLASTIC INTERLAYER MATERIAL FOR LAMINATION
 WITH GLASS ON BOTH SIDES.
 A TYPICAL GLAZING IS MADE OF THE FOLLOWING
 COMPONENTS (THINNEST PRODUCT CONFIGURATION)

- A- 1/8" MIN. ANNEALED GLASS
- B- .060" ASTROCURE A5000 INTERLAYER
- C- .070" MIN. POLYCARBONATE SHEET
 MANUFACTURED BY
 GENERAL ELECTRIC CO. (NOA #03-0924.01)
 ATOFINA CHEMICALS INC. (NOA #00-1220.03)
 SHEFFIELD PLASTICS INC. (NOA #01-0709.07)
- B- .060" ASTROCURE A5000 INTERLAYER
- A- 1/8" MIN. ANNEALED GLASS

PRODUCT PROPERTIES

PROPERTIES

TEST

RESULTS

SMOKE DENSITY RATING (MAX.)	ASTM 2843-93	48.4				
SELF IGNITION TEMP.	ASTM D1929-96	880°				
AVERAGE EXTENT OF BURNING	ASTM D635-96	11.6 mm				
AVERAGE TIME OF BURNING	ASTM D635-96	0.6 SEC. OR LESS THAN 5 SEC.				
TENSILE STRENGTH (MEAN)	ASTM D638-96	* <table border="1" style="display: inline-table;"> <tr> <td>BEFORE</td> <td>AFTER</td> </tr> <tr> <td>8486 PSI</td> <td>8354 PSI</td> </tr> </table>	BEFORE	AFTER	8486 PSI	8354 PSI
BEFORE	AFTER					
8486 PSI	8354 PSI					

* WEATHERING PER SECTION 3505.2 OF SOUTH FLORIDA BLDG. CODE.

NOTE:

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR A NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION AND SHALL SUBMIT TEST REPORTS AND ALL OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FLORIDA BUILDING CODE 2001.

Approved as complying with the
 Miami-Dade County Code
 Date: 01/15/04
 NOA# 03-0903.02
 Miami-Dade Product Control
 Division
 By:

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538

afc

AL-FAROOQ CORPORATION
 ENGINEERS, PLANNERS & PRODUCT DESIGN
 1235 SW 87 AVE
 MIAMI, FLORIDA 33174
 TEL. (305) 264-8100 FAX. (305) 262-6978

GLAZING G03-01

'ASTROCURE A5000' LAMINATE
ZIRCON
 P.O. BAX. 1270
 COLLIERVILLE, TENNESSEE. 38027
 TEL. (901) 383-9307 FAX. (901) 853-8931

revisions:		
no	date	description
A	12.11.03	REV. PER BCCO COMMENTS

drawing no.
G03-01
 date: 08-07-03
 scale: 1" = 4"
 sheet 1 of 1

DEC 12 2003