



MIAMI-DADE COUNTY
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) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Viracon, Inc.
800 Park Drive
Owatonna, MN 55060

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: Viracon HRG-2 Glass Interlayer

APPROVAL DOCUMENT: Drawing No. **30-0184**, titled "Viracon HRG-2 Hurricane Resistant Glass" sheet 1 of 1, dated 01/29/09, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration 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: a) Viracon, b) Laminator's identification mark, c) M.D.C.A., that stands for Miami Dade County Approved and d) HRG-2.

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 **renews NOA # 09-0210.05** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Handwritten Signature]
 03/02/10

NOA No. 10-0201.01
Expiration Date: February 12, 2014
Approval Date: March 24, 2010
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **30-0184**, titled "Viracon HRG-2 Hurricane Resistant Glass" sheet 1 of 1, dated 01/29/09, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

	<u>Laboratory Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	ETC-08-1158-22202.0	ASTM D 635	12/18/09	J. L. Doldan, P.E.
2.	ETC-08-1158-22202.0	ASTM D1929	12/18/09	J. L. Doldan, P.E.
3.	ETC-08-1158-22202.0	ASTM D 2843	12/18/09	J. L. Doldan, P.E.
4.	ETC-08-1158-22202.0	ASTM G155 & C158	12/18/09	J. L. Doldan, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

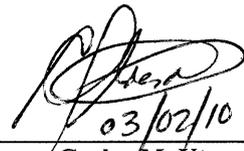
1. Miami Dade Building Code Compliance Office (BCCO)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Letter of Code Compliance, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 01/27/10, signed and sealed by Warren W. Schaefer, P.E.
2. Letter of no financial interest, issued by W.W. Schaefer Engineering & Consulting, P.A., dated 01/27/10, signed and sealed by Warren W. Schaefer, P.E.



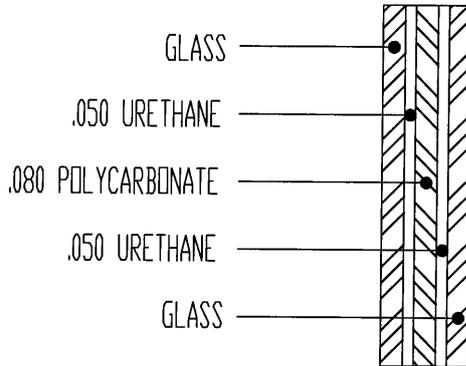
03/02/10

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0201.01
Expiration Date: February 12, 2014
Approval Date: March 24, 2010

Viracon Inc.

HRG-2 PRODUCT DESCRIPTION:

HRG 2 a laminated glass consisting of a center of 0.080" polycarbonate two layers of 0.050 urethane on each side and protected by glass on the exterior.
(minimum thickness of components indicated in material characteristics)



Material Characteristics:

Designation	Test	Properties
Self Ignition Temp Smoke Density	ASTM D-1929 ASTM D-2843	0.05" Urth/0.08" Polc/0.05" Urth
		750
		12.6

Designation	Test	Property
Combustibility	ASTM D-635	0.05" Urth/0.08" Polc/0.05" Urth
		CI

Designation	Test	Property	
Modulus Rupture	ASTM C-158	Laminated Glass	
		* Weathering	
		Before	After
		2211 PSI	2423 PSI

NOTE: APPROVAL DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHALL BE SUBMITTED TO DADE COUNTY PRODUCT CONTROL; SHOWING THAT THE SYSTEMS USING THIS INTERLAYER SHEET WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE F.B.C., IN ORDER TO ISSUE A SPECIFIC PRODUCT APPROVAL FOR THE SYSTEM.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 10-0201.01
Expiration Date 02/12/2014
By [Signature]
Miami Dade Product Control
Division

FOR OFFICE USE

<p>CERTIFICATION</p> <p>FEB 27 2010</p> <p>WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p> <p>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA #6809) 8895 N. MILITARY TRAIL, SUITE C-204 PALM BEACH GARDENS, FL 33410 PHONE: 561-775-4902 FAX: 561-775-4903</p>		<p>VIRACON 800 PARK DRIVE OWATONNA, MN 55060 (507) 444-3333</p>
		<p>Title: VIRACON HRG-2 HURRICANE RESISTANT GLASS</p>
		<p>Drawing Number : 30-0184 Sheet Number : 1 OF 1 Drawing Date 1-29-09 Revision Date</p>
		<p>W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. REFERENCE NUMBER: 1634</p>