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
www.miamidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

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 Interlayers

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.

LIMITATION: 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.

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 # 04-0115.15** 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.**

MIAMI-DADE COUNTY APPROVED

3/24/09

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

	Laboratory Report	Test	Date	Signature
1.	ETC 96-230-3054.3	ASTM D 635	04/29/97	J. L. Doldan, P.E.
2.	ETC 96-230-3054.3	ASTM D1929	04/29/97	J. L. Doldan, PE
3.	ETC 96-230-3054.3	ASTM E 84	04/29/97	J. L. Doldan, PE.
4.	ETC 96-230-3054.4	ASTM G26 & D638	04/28/97	J. L. Doldan, PE

"Submitted under NOA # 00-0614.09"

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 02/04/09, 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 02/04/09, signed and sealed by Warren W. Schaefer, P.E.
3. Testing agreement letter issued by ETC Laboratories, dated 02/03/09, signed by David Kehrli.

G. OTHER

1. Notice of Acceptance No. **04-0115.01**, issued to Viracon, Inc., approved on 02/12/04 and expiring on 02/12/09.

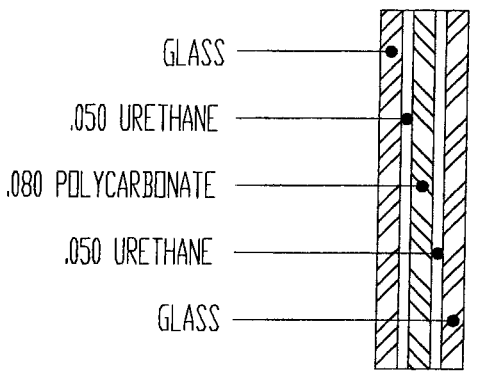
3/24/09

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 09-0210.05
Expiration Date: February 12, 2010
Approval Date: March 25, 2009

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	
		0.05" urethane	0.08" Polycarbonate
Self Ignition Temp	ASTM D-1929	652	678
Flame Spread Index	ASTM E-84	9.7	0
Smoke Density	ASTM D-2843	48	49

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

		Property Laminated Glass	
		* Weathering	
		Before	After
Modulus Rupture	ASTM C-158	2965 PSI	3166 PSI

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 09-0210.05
Expiration Date 02/12/2010
By
Miami Dade Product Control Division

FOR OFFICE USE

CERTIFICATION

FEB 04 2009

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

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

VIRACON
800 PARK DRIVE
OWATONNA,MN 55060 (507) 444-3333

Title: VIRACON HRG-2 HURRICANE RESISTANT GLASS

Drawing Number :	Sheet Number :	Drawing Date	Revision Date
30-0184	1 OF 1	1-29-09	

W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.
REFERENCE NUMBER: 1634