



**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](http://www.miamidade.gov/buildingcode)

**Oldcastle Glass, Inc.**  
**5890 Bethelview Road # 10-205**  
**Cumming, GA 30040**

**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: StormGlass Glass Interlayer**

**APPROVAL DOCUMENT:** Drawing No. 1216, titled "Stormglass Laminated Glass", Sheet 1 of 1, dated 04/02/03, with revision A1 09/12/08, prepared by W.W. Schaefer Engineering & Consulting, P.A., Inc. signed and sealed by W. W. Schaefer, 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 Division.

**MISSILE IMPACT RATING: None**

**LABELING:** Glass laminated under this Product Approval shall be permanently marked in a corner of the glass with: a) StormGlass, b) Authorized laminator's name, c) Laminator's identification mark and d) M.D.C.A, that stands for Miami Dade County Approved.

**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 and revises** NOA # 03-0514.15 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.**



*Utrera*  
 3/5/09

**NOA No. 08-1118.07**  
**Expiration Date: December 11, 2013**  
**Approval Date: March 25, 2009**  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **1216**, titled "Stormglass Laminated Glass", Sheet 1 of 1, dated 04/02/03, with revision A1 09/12/08, prepared by W.W. Schaefer Engineering & Consulting, P.A., Inc. signed and sealed by Warren W. Schaefer, P.E.

**B. TESTS**

|    | <u>Laboratory</u>  | <u>Test</u> | <u>Date</u> | <u>Signature</u>     |
|----|--------------------|-------------|-------------|----------------------|
| 1. | Omega 15542-110291 | ASTM E 84   | 02/26/03    | J.W. Dougherty, P.E. |
| 2. | ETC 03-191-13090.0 | ASTM D 1929 | 02/10/03    | J. L. Doldan, P.E.   |
| 3. | ETC 03-191-13090.0 | ASTM D 635  | 02/10/03    | J. L. Doldan, P.E.   |
| 4. | ETC 03-191-13090.0 | ASTM D 2843 | 02/10/03    | J. L. Doldan, P.E.   |
| 5. | ETC 01-726-11271.0 | ASTM C 158  | 10/15/01    | J. L. Doldan, P.E.   |
| 6. | ETC 03-191-13748.0 | ASTM D 2843 | 07/25/03    | 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. Code compliance letter issued by W. W. Schaefer Engineering & Consulting, P.A., on 03/15/08, signed and sealed by Warren W. Schaefer, P.E.

*"Submitted under NOA # 03-0514.15"*

2. Private Labeling Agreement between Solutia Inc. and Oldcastle Glass Inc signed by J. Schimmelpenningh on 05/05/03 and F. J. Bush on 05/12/03.

**G. OTHER**

1. Notice of Acceptance No. **03-0514.15**, issued to Oldcastle Glass, Inc., approved on 12/11/03 and expiring on 12/11/08.



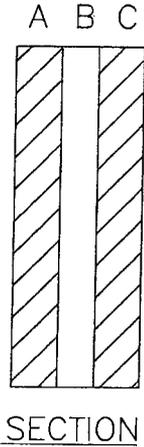
3/5/09

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**Carlos M. Utrera, P.E.**  
**Product Control Examiner**  
**NOA No. 08-1118.07**  
**Expiration Date: December 11, 2013**  
**Approval Date: March 25, 2009**

# STORMGLASS™ PRODUCT DESCRIPTION

**PRODUCT REVISED**  
is complying with the Florida  
Building Code  
Acceptance No 08-118.07  
Expiration Date 12/11/2013  
By [Signature]  
Miami Dade Product Control  
Division



MANUFACTURED BY: OLDCASTLE GLASS INC.  
DESCRIPTION: STORMGLASS™ IS A SAFLEX® COMPOSITE (VS-XX) INTERLAYER BY SOLUTIA INC. LAMINATED BETWEEN TWO OR MORE LITES OF GLASS BY OLDCASTLE GLASS INC. A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS (MINIMUM THICKNESS INDICATED – MULTIPLE LAYERS OF INTERLAYER TO BE USED AS NECESSARY):

|                      |                                      |
|----------------------|--------------------------------------|
| A – 2.3 mm (3/32")   | ANNEALED GLASS                       |
| B – 1.91 mm (0.075") | SAFLEX® COMPOSITE (VS-XX) INTERLAYER |
| C – 2.3 mm (3/32")   | ANNEALED GLASS                       |

## PRODUCT PROPERTIES

| FOOT. NOTE | DESCRIPTION               | TEST       | SAFLEX® COMPOSITE (VS-XX) INTERLAYER (2) |
|------------|---------------------------|------------|--|
| (1)        | FLAME SPREAD INDEX        | ASTM E84   | 55                                       |
| (1)        | SMOKE DEVELOPMENT INDEX   | ASTM E84   | 350° F                                   |
| (1)        | SELF IGNITION TEMPERATURE | ASTM D1929 | 660° F                                   |
| (1)        | AVG. TIME OF BURNING      | ASTM D635  | 1.52 MIN. C2                             |
| (1)        | AVG. EXTENT OF BURNING    | ASTM D635  | 2.96 INCHES                              |
| (1)        | SMOKE DENSITY             | ASTM D2843 | 54.9%                                    |
| (1 & 3)    | AVG. MOD OF RUPTURE       | ASTM C158  | WEATHERING (3)                           |

- (1) SPECIMEN: LAMINATED GLASS WITH SAFLEX® COMPOSITE (VS-XX) INTERLAYER
- (2) SAFLEX® COMPOSITE (VS-XX) BY ITSELF (UNPROTECTED) DOES NOT COMPLY WITH FLORIDA BUILDING CODE.
- (3) WEATHERING PER SECTION 2605.2 OF THE FLORIDA BUILDING CODE.  
(BEFORE MR = 3901.571 PSI; AFTER MR = 3597.164 PSI DELTA 7.8%)

STORMGLASS™ IS A TRADEMARK OF OLDCASTLE GLASS, INC.

SAFLEX® COMPOSITES ARE ALSO KNOWN AS SAFLEX® STORM (VS-XX).

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN ELEVATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR AN NOA TO THE MIAMI-DADE PRODUCT CONTROL DIVISION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEMS USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE F.B.C.

|        |                              |          |
|--------|------------------------------|----------|
| A1     | CHANGED COMPOSITES TO SAFLEX | 09/12/08 |
| REV. # | DESCRIPTION                  | DATE     |

**FEB 24 2009**

**WARREN W. SCHAEFER, P.E.**  
STRUCTURAL ENGINEER  
P.E. NO. 44135

**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
STRUCTURAL CONSULTING ENGINEERS  
8895 N. MILITARY TRAIL, SUITE C-204  
PALM BEACH GARDENS, FL 33410  
PHONE: 551-775-4902

**OLDCASTLE GLASS, INC.**  
5890 BETHELVIEW RD #10-205  
CUMMING, GA 30040  
PHONE: 404-704-0450

TITLE: **STORMGLASS™ LAMINATED GLASS**

|                     |                     |                           |                     |
|---------------------|---------------------|---------------------------|---------------------|
| DRAWING NO.<br>1216 | DRAWN BY:<br>K.P.S. | DRAWING DATE:<br>04/02/03 | SHEET NO.<br>1 OF 1 |
|---------------------|---------------------|---------------------------|---------------------|