



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)

MIAMI-DADE COUNTY  
 PRODUCT CONTROL SECTION  
 11805 SW 26 Street, Room 208  
 Miami, Florida 33175-2474  
 T (786) 315-2590 F (786) 315-2599

**NOTICE OF ACCEPTANCE (NOA)**

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**Sekisui S-LEC America LLC**  
**1200 Rolling Hills Lane**  
**Winchester, KY 40391**

**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 PERA - 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. PERA 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: S-LEC PVB Glass Interlayer**

**APPROVAL DOCUMENT:** Drawing No. 1646, titled "S-LEC PVB Glass Laminate Film", sheet 1 of 1, dated 05/28/2009, with revision A1 dated 10/24/2011, 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 revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: None.**

**LABELING:** Glass laminated under this product approval shall be permanently marked in a corner of the glass with: "MDCA-S-LEC PVB" and the laminator's identification mark. These marks shall be applied by the individual laminator producing the finished laminated glass product containing the S-LEC PVB interlayer.

**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 NOA # 09-0618.05 and consists of this page, evidence page E-1, as well as approval document mentioned above.

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



*Signature*  
 11/23/2011

NOA No: 11-1026.09  
 Expiration Date: September 02, 2014  
 Approval Date: December 1, 2011  
 Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A. DRAWING**

1. Drawing No. 1646, titled "S-LEC PVB Glass Laminate Film", sheet 1 of 1, dated 05/28/2009, with revision A1 dated 10/24/2011, prepared by W.W. Schaefer Engineering & Consulting, P.A, signed and sealed by Warren W. Schaefer, P.E.

**B. TEST REPORTS "Submitted under NOA # 09-0618.05"**

|    | <u>Laboratory Report</u> | <u>Test</u> | <u>Date</u> | <u>Signature</u>     |
|----|--------------------------|-------------|-------------|----------------------|
| 1. | ATI 90988.01-106-18      | ASTM D 635  | 05/07/09    | Joseph A. Reed, P.E. |
| 2. | ATI 90988.01-106-18      | ASTM D1929  | 05/07/08    | Joseph A. Reed, P.E. |
| 3. | ATI 70698.01-106-18      | ASTM D 2843 | 12/07/07    | Joseph A. Reed, P.E. |
| 4. | ATI 70698.01-106-18      | ASTM G 155  | 12/07/07    | Joseph A. Reed, P.E. |
| 5. | ATI 70698.01-106-18      | ASTM D 790  | 12/07/07    | Joseph A. Reed, P.E. |

**C. CALCULATIONS**

1. None.

**D. MATERIAL CERTIFICATIONS**

1. None.

**E. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

**F. STATEMENTS**

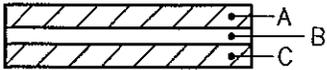
1. Statement letter of code conformance to 2007 and 2010, issued by W.W. Schaefer Engineering & Consulting, P.A, dated 10/24/2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, issued by W.W. Schaefer Engineering & Consulting, P.A, dated 10/19/2011, signed and sealed by Warren W. Schaefer, P.E.
3. Distributor agreements dated 06/18/2009. "Submitted under NOA # 09-0618.05"

  
11/23/2011

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 11-1026.09

Expiration Date: September 02, 2014  
Approval Date: December 1, 2011

## PRODUCT DESCRIPTION



SECTION

**DESCRIPTION:** S-LEC PVB BY SEKISUI S-LEC AMERICA, LLC IS A MONOLITHICALLY EXTRUDED POLYVINYL BUTYRAL RESIN & TRIETHYLENE GLYCOL BIS (2-ETHYLHEXANOATE) PLASTICIZER. THE TYPICAL GLAZING MAKE-UP SHALL INCLUDE THE FOLLOWING COMPONENTS:

- "A" = MINIMUM 7/64" (2.7 mm) ANNEALED GLASS
- "B" = MINIMUM 0.039" (0.98 mm) S-LEC PVB INTERLAYER
- "C" = MINIMUM 7/64" (2.7 mm) ANNEALED GLASS

## PRODUCT PROPERTIES

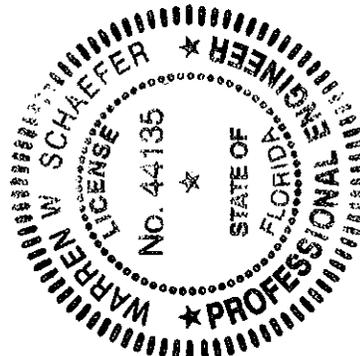
| FOOT NOTE | DESCRIPTION   | TEST                   | TEST RESULTS        |          |
|-----------|---|------------------------|---------------------|----------|
| (1)       | SMOKE DENSITY                                       | ASTM D2843-04          | 0.43                |          |
| (2) & (3) | RATE OF BURNING                                     | ASTM D635-06           | CLASS C1 @ 0 IN/MIN |          |
| (2)       | SELF IGNITION TEMPERATURE                           | ASTM D1929-00          | 752° F (400° C)     |          |
| (2) & (3) | AVERAGE FLEXURAL STRENGTH BEFORE & AFTER WEATHERING | ASTM D790-03 & G155-05 | BEFORE              | AFTER    |
|           |   |                        | 4426 PSI            | 4021 PSI |
|           |   |                        | % CHANGE = -9.1 %   |          |

- (1) SPECIMEN TESTED CONSISTED OF THE INTERLAYER MATERIAL ONLY.
- (2) SPECIMEN TESTED CONSISTED OF THE INTERLAYER MATERIAL LAMINATED BETWEEN TWO PANES OF GLASS.
- (3) THE STANDARD USED FOR TESTING OF THIS PRODUCT IS A MORE CURRENT VERSION OF THE SAME STANDARD SPECIFIED IN THE FLORIDA BUILDING CODE. NOTE THAT THE STANDARD SHOWN IN THIS TABLE IS EQUIVALENT TO THAT EARLIER STANDARD SPECIFIED IN THE CODE.

**GENERAL NOTES:**

1. S-LEC PVB BY IT SELF DOES NOT MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE. IT MUST ALWAYS BE LAMINATED BETWEEN TWO(2) PANES OF GLASS.
2. GLASS ALLOY IS NOT RESTRICTED TO ANNEALED. GLASS ALLOY MAY BE ANNEALED, HEAT STRENGTHENED, CHEMICALLY TEMPERED OR TEMPERED.
3. S-LEC PVB IS A CLEAR FILM & SHALL NOT BE COLORED NOR TINTED. NOTE THAT CLEAR FILM DOES CONTAIN SMALL AMOUNTS OF ADDITIVES SUCH AS STABILIZERS, ETC.
4. S-LEC PVB INTERLAYER HAS BEEN TESTED AND APPROVED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE SECTIONS 2605, 2606 & 2612.
5. THIS IS A COMPONENT APPROVAL ONLY. STRUCTURAL PERFORMANCE OF THIS PRODUCT WITHIN OTHER SYSTEMS IS NOT PART OF THIS APPROVAL. SYSTEMS USING THIS COMPONENT AS PART OF THEIR OWN OVERALL STRUCTURAL SYSTEM SHALL APPLY FOR THEIR OWN SEPERATE APPROVALS.
6. THE INTERLAYER MAY BE MADE UP OF SINGLE OR MULTIPLE LAYERS AS REQUIRED TO ACHIEVE THE OVERALL INTERLAYER THICKNESS DESIRED.

**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No 11-1026.09  
 Expiration Date 02/02/2014  
 By [Signature]  
 Miami Dade Product Control



|                                |                       |
|--------------------------------|-----------------------|
| DRAWN BY:<br>W.W.S.            | CHECKED BY:<br>W.W.S. |
| PLOT:<br>1=1                   | DATE:<br>05/28/09     |
| DATE<br>10/24/11               |                       |
| BY<br>W.W.S.                   |                       |
| REVISION DESCRIPTION           |                       |
| NO. UPDATE CONSULTANTS ADDRESS |                       |
| A1                             |                       |

DRAWING TITLE  
**S-LEC PVB GLASS LAMINATE FILM**

MANUFACTURER  
**SEKISUI S-LEC AMERICA, LLC**  
1200 ROLLING HILLS LANE  
WINCHESTER, KY 40391  
859-745-4676

CONSULTANTS  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)**  
7480 150TH COURT NORTH  
PALM BEACH GARDENS, FL 33418  
PHONE: 561-744-3424

CERTIFICATION  
**OCT 24 2011**

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

|                            |                  |
|----------------------------|------------------|
| DRAWING NO.<br><b>1646</b> | REV.<br><b>A</b> |
| SHEET NO.<br><b>1 OF 1</b> |                  |