



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/buldingcode](http://www.miamidade.gov/buldingcode)

**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 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: S-LEC PVB Glass Interlayer**

**APPROVAL DOCUMENT:** Drawing No. 1646, titled "S-LEC PVB Glass Laminate Film", sheet 1 of 1, dated 05/28/09, 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 approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

**MISSILE IMPACT RATING: None.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name:

Sekisui S-LEC America, LLC.	Sekisui S-LEC Co., LTD.	Sekisui S-LEC Co., LTD.
Winchester, KY 40391	Shiga 528-8585 Japan	Rayong 21140 Thailand
Sekisui S-LEC Co., LTD.	Sekisui S-LEC B.V.	Sekisui S-LEC Mexico S.A. de C.V.
New District Suzhou, 215219, China	Roermond, the Netherlands	Cuernavaca, Morelos, Mexico

and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**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 E-1, as well as approval document mentioned above.

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



*Handwritten signature and date: 8/10/09*

NOA No: 09-0618.05  
Expiration Date: September 02, 2014  
Approval Date: September 02, 2009

**NOTICE OF ACCEPTANCE: EVIDENCE PAGE**

**A. DRAWING**

1. Drawing No. **1646**, titled "S-LEC PVB Glass Laminate Film", sheet 1 of 1, dated 05/28/09, prepared by W.W. Schaefer Engineering & Consulting, P.A, signed and sealed by Warren W. Schaefer, P.E.

**B. TEST REPORTS**

	<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 Building Code Compliance Office (BCCO)

**F. STATEMENTS**

1. Letter of code compliance, issued by W.W. Schaefer Engineering & Consulting, P.A, dated 05/29/09, 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 05/29/09, signed and sealed by Warren W. Schaefer, P.E.

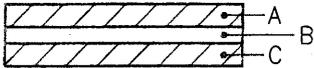


8/10/09

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Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No 09-0618.05  
Expiration Date: September 02, 2014  
Approval Date: September 02, 2009

**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.

Approved as complying with the  
 Florida Building Code  
 Date 09/02/2009  
 NOA# 07-0618.05  
 Miami Dade Product Control  
 Division  
 By *[Signature]*

MAY 29 2009

DRAWN BY: W.W.S.	CHECKED BY: W.W.S.
PLOT: 1=1	DATE: 05/28/09

NO.	REVISION DESCRIPTION	BY	DATE

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

**S-LEC PVB GLASS LAMINATE FILM**  
 MANUFACTURER  
**W. W. SCHAEFER ENGINEERING & CONSULTING, P.A.**  
 8895 N. MILITARY TRAIL, SUITE C-204  
 PALM BEACH GARDENS, FL 33410  
 PHONE: 561-775-4902 FAX: 561-775-4903

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

DRAWING NO. <b>1646</b>	REV.
SHEET NO. 1 OF 1	