MIAMI-DADE

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) 375-2908

NOTICE OF ACCEPTANCE (NOA)

Solutia Inc.
12 Park Street.
North Brookfield, MA 01535

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: Clear or colored interlayer.

APPROVAL DOCUMENT: Drawing No. 1051, Sheets 1 and 2, titled "Saflex IIIG Based Interlayers for Laminated Glass," dated 04/19/01, prepared by W.W. Schaefer Engineering & Consulting, P.A., Inc. signed and sealed by W. W. Schaefer, PE. 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: Laminated sheets with Saflex IIIG by Solutia Inc. shall be permanently marked with MDCA Saflex or KeepSafe Maximum and the laminator name. This mark shall be in the same area of the ANSI and/or CPSC logo in a corner of the lite as required.

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 # 01-0205.02 and consists of this page, evidence page as well as approval document mentioned above.
The submitted documentation was revised by **Candido F. Font PE.**

01/08/04

PRODUCT CONTROL ACCEPTED

NOA No: 03-0421.02
Expiration Date: May 21, 2006
Approval Date: January 8, 2004

Solutia Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A. DRAWINGS

1. Drawing No.1051, Sheets 1 and 2, titled "Saflex IIIG Interlayer for Laminated Glass," dated 04/19/01, prepared by W.W. Schaefer Engineering & Consulting, P A, signed and sealed by W. W. Schaefer, P.E.

B. TESTS

	Laboratory	Test	Date	Signature
1	SGS 117942-1	ASTM D1929	04/29/96	D. H. Mangnall, P.E.
2	OPL 15542-100699	ASTM D4804	11/04/96	W. E. Fitch, P.E.
3	SGS 117942-3	ASTM E84	04/29/96	D. H. Mangnall, P.E.
4	SGS 117942-2	ASTM D635	04/29/96	D. H. Mangnall PE
5	OPL 15542-100700	ASTM D1929	11/05/96	W. E. Fitch, PE.
6	OPL 15542-100698	ASTM E84	11/04/96	W. E. Fitch, PE.
7	ETC 96-191-3253.0	ASTM G26 & C158	11/05/97	J. L. Doldan, P.E.
8	OPL 15542-101050	ASTM D635	01/31/97	W. W. Fitch, P.E.
9	ETC 1.1 99-191-8447	ASTM D 635	10/20/99	J.L. Dolan, PE.
10	ETC 99-191-8448.0	ASTM D1929	10/21/99	J. L. Doldan, PE
11	OMEGA 15542-105301	ASTM E 84	08/10/99	J. W. Dougherty PE
12	OMEGA 15542-105563	ASTM E 84	10/20/991	J. W. Dougherty
13	ETC 98-191-5523.0	ASTM G 26 & C 158	05/11/99	J. L. Doldan, PE

C. MATERIAL CERTIFICATION

N/A

D. QUALITY ASSURANCE.

1. Miami-Dade County Product Control Division.

E CALCULATIONS

N/A

F STATEMENTS

1. Code compliance letter issued by W. W. Schaefer Engineering & Consulting, PA on 04/07/03, signed and sealed by W. W. Schaefer, PE.
2. No financial interest letter issued by W. W. Schaefer Engineering & Consulting, PA on 04/07/03 signed and sealed by W. W. Schaefer, PE.
3. Letter listing authorized laminator issued by Solutia Inc. on 11/24/03 signed by J. C Schimmelpenningh.
4. Letter of No Financial Interest issued by W. W. Schaefer Engineering & Consulting, P.A. on 02/28/2000 signed and sealed by W. W. Schaefer, PE.
5. Letter of Code Compliance issued by W. W. Schaefer Engineering & Consulting. P.A. on 02/28/2000, signed and sealed by W. W. Schaefer, PE.
6. Letter listing authorized laminator issued by Solutia, Inc. on 01/01/200, signed by J. C. Schimmelpenningh.

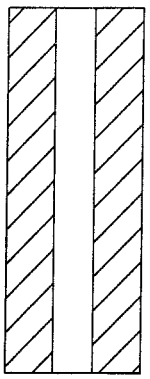
01/08/04

Candido F. Font PE.
Sr. Product Control Examiner
NOA No 03-0421.02
Expiration Date: May 21, 2006
Approval Date: January 8, 2004

SAFLEX® IIIG

(CLEAR &/OR COLORED. SAFLEX @ 15% (RM) – SAFLEX @ 30% (IIIG)

A B C



SECTION

PRODUCT DESCRIPTION

MANUFACTURED BY: SOLUTIA INC.
DESCRIPTION: CLEAR OR COLORED MONOLITHICALLY EXTRUDED INTERLAYERS MADE OF POLYVINYL BUTYRAL RESIN AND TRIETHYLENEGLYCOL BIS (2-ETHYL HEXANOATE) PLASTICIZER AT CONCENTRATIONS BETWEEN 15 AND 30%. INTERLAYER IS OFFERED UNDER THE BRAND NAMES OF SAFLEX® AND VANCEVA™ FOR LAMINATION BETWEEN A MINIMUM OF TWO GLASSES. A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS (MINIMUM THICKNESS INDICATED – MULTIPLE PLIES OF INTERLAYERS TO BE USED AS NECESSARY):

A – 2.3 mm (3/32")	ANNEALED GLASS
B – 1.02 mm (0.040")	SAFLEX® AND/OR VANCEVA™ INTERLAYERS
C – 2.3 mm (3/32")	ANNEALED GLASS

PRODUCT PROPERTIES

FOOT NOTE	DESCRIPTION	TEST	SAFLEX® @ 30% (IIIG)	
(2) & (3)	FLAME SPREAD INDEX	ASTM E84	495	
(1)	FLAME SPREAD INDEX	ASTM E84-94	25	
(2)	SMOKE DEVELOPMENT INDEX	ASTM E84	50	
(1)	SMOKE DEVELOPMENT INDEX	ASTM E84-94	45	
(2) & (3)	RATE OF BURNING	ASTM D635-91	2.76 IN/MIN	
(1)	AVERAGE TIME OF BURNING	ASTM D635-91	< 5 SEC.	
(1)	AVERAGE EXTENT OF BURNING	ASTM D635-91	5 mm	
(2)	FLASH IGNITION TEMPERATURE	ASTM D1929-91	664° F	
(1)	FLASH IGNITION TEMPERATURE	ASTM D1929-91	760° F	
(2)	SELF IGNITION TEMPERATURE	ASTM D1929-91	685° F	
(1)	SELF IGNITION TEMPERATURE	ASTM D1929-91	760° F	
(2) & (4)	AVERAGE MODULUS OF RUPTURE	ASTM C158	WEATHERING	
			BEFORE	AFTER
			2556 PSI	2657 PSI

(1) SPECIMEN: LAMINATED GLASS WITH SAFLEX® IIIG PVB INTERLAYER.
(2) SPECIMEN: SAFLEX® IIIG INTERLAYER ONLY.
(3) SAFLEX® IIIG PVB INTERLAYER BY ITSELF DOES NOT COMPLY WITH FLORIDA BUILDING CODE.
(4) WEATHERING PER SECTION 2605 OF THE FLORIDA BUILDING CODE.

®SAFLEX IS A REGISTERED TRADEMARK OF SOLUTIA, INC.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 03-0421.02
Expiration Date 3/21/06
By
Miami Dade Product Control Division

REV. #	DESCRIPTION	DATE
A	COMBINED RM & IIIG PRODUCTS INTO ONE DOCUMENT	04/02/03

DEC 11 2003

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: 561-775-4902

SOLUTIA, INC.
730 WORCESTER STREET
SPRINGFIELD, MA 01151
PHONE: 508-867-3029; FAX: 508-861-0127

TITLE: SAFLEX® IIIG BASED INTERLAYERS FOR LAMINATED GLASS

DRAWING NO.	DRAWN BY:	DRAWING DATE:	SHEET NO.
1051	W.W.S.	04/19/01	1 OF 2

SAFLEX® IIIG

(CLEAR &/OR COLORED. SAFLEX @ 15% (RM) – SAFLEX @ 30% (IIIG)

PRODUCT PROPERTIES

FOOT NOTE	DESCRIPTION	TEST	SAFLEX® @ 15% (RM)
(1)	FLAME SPREAD INDEX	ASTM E84	10
(2)	FLAME SPREAD INDEX	ASTM E84	345
(1)	SMOKE DEVELOPMENT INDEX	ASTM E84	5
(2)	SMOKE DEVELOPMENT INDEX	ASTM E84	20
(1)	SELF IGNITION TEMPERATURE	ASTM D1929	720° F
(2) & (3)	SELF IGNITION TEMPERATURE	ASTM D1929	600° F
(1)	RATE OF BURNING	ASTM D635	1.54 IN/MIN. C.
(2) & (3)	AVERAGE BURNING RATE	ASTM D635	3.5 IN/MIN.
(1) & (4)	AVERAGE MODULUS OF RUPTURE	ASTM C158	WEATHERING

(1) SPECIMEN: LAMINATED GLASS WITH SAFLEX® RM INTERLAYER.
(2) SPECIMEN: SAFLEX® RM INTERLAYER ONLY.
(3) SAFLEX® RM INTERLAYER BY ITSELF DOES NOT COMPLY WITH FLORIDA BUILDING CODE.
(4) WEATHERING PER SECTION 2605 OF THE FLORIDA BUILDING CODE.
(BEFORE MR = 11090 PSI; AFTER MR = 9976 PSI)

®SAFLEX IS A REGISTERED TRADEMARK OF SOLUTIA, INC.

SAFLEX® AND VANCEVA™ SOLAR/COLOR AND INK PROPERTIES

SAFLEX® AND VANCEVA™ COLOR/SOLAR PIGMENTS

MATERIAL DESIGNATION	SMOKE DENSITY RATING PER ASTM D 2843	DADE NOTIFICATION #
VENCEVA™ & SAFLEX® – CLEAR	33.9	ETC03021
VENCEVA™ & SAFLEX® – WHITE	37.0	ETC03018
VENCEVA™ & SAFLEX® – BLACK	42.9	ETC03022
VENCEVA™ & SAFLEX® – BLUE	46.4	ETC03017
VENCEVA™ & SAFLEX® – YELLOW	44.9	ETC03019
VENCEVA™ & SAFLEX® – RED	46.8	ETC03020

SAFLEX® & VANCEVA™ ARE TRADEMARKS OF SOLUTIA, INC.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 03-0421.02
Expiration Date 5/21/06
By
Miami Dade Product Control Division

REV. #	DESCRIPTION	DATE
A	COMBINED RM & IIIG PRODUCTS INTO ONE DOCUMENT	04/02/03

DEC 11 2003

WARREN W. SCHAEFER, P.E.
STRUCTURAL ENGINEER
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TITLE: SAFLEX® IIIG BASED INTERLAYERS FOR LAMINATED GLASS

DRAWING NO.	DRAWN BY:	DRAWING DATE:	SHEET NO.
1051	W.W.S.	04/19/01	2 OF 2