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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Eastman Chemical Company (MA)
730 Worcester Street
Springfield, MA 01151

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 RER-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. RER 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: Saflex® PVB Clear and Colored Interlayers for Laminated Glass

APPROVAL DOCUMENT: Drawing No. **1813**, titled "Saflex Based Interlayers for Laminated Glass", sheets 1 through 3 of 3, dated 04/06/12, with revision **D** dated 07/29/20, 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 lites laminated under this Product Approval shall be permanently marked in a corner of the glass with: a) **Saflex**, b) Authorized laminator's name, c) M.D.C.A., that stands for Miami Dade County Approved and d) Markings required by federal law for safety glazing. The laminate's or interlayer's packaging is to identify the manufacturer's name or logo, manufacturing plant's city and state, and the statement reading 'Miami-Dade County Product Control Approved'.

LIMITATION: This approval does of structural not include an evaluation performance of this component.

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 No. 21-0216.01** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**

MIAMI-DADE COUNTY APPROVED

8/7/23

NOA No. 23-0713.18
Expiration Date: May 21, 2026
Approval Date: August 17, 2023

Eastman Chemical Company (MA)

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **1813**, titled "Saflex® Based Interlayers for Laminated Glass", sheets 1 through 3 of 3, dated 04/06/12, with Revision **D**, dated 07/29/20, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 21-0216.01)

B. TESTS

	Test Report	Test Standard	Date	Signature
1.	ETC-11-726-25078.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
2.	ETC-11-726-25076.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
3.	ETC-11-726-25080.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
4.	ETC-11-726-25077.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
5.	ETC-11-726-25079.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
6.	ETC-11-726-24882.0	ASTM D1929/D2843	03/08/11	Joseph L. Doldan, P.E.
7.	ETC-96-191-3253.0	ASTM G26 & C158	11/05/97	Joseph L. Doldan, P.E.
8.	ETC-96-191-5523.0	ASTM G26 & C158	05/11/99	Joseph L. Doldan, P.E.

(Submitted under NOA No. 11-0325.05)

	Test Report	Test Standard	Date	Signature
9.	ETC 07-726-20120.0	ASTM D2843	07/17/08	Joseph L. Doldan, P.E.
10.	ETC 07-726-20120.0	ASTM D1929	07/17/08	Joseph L. Doldan, P.E.
11.	ETC 07-726-20120.0	ASTM D635	07/17/08	Joseph L. Doldan, P.E.
12.	ETC 07-726-20120.0	ASTM C158	07/17/08	Joseph L. Doldan, P.E.

(Submitted under NOA No. 09-0223.05)

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

Manuel Perez, P.E.
Product Control Examiner
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NOTICE OF ACCEPTANCE: EVIDENCE PAGE

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter from manufacturer, stating no product modifications and requesting a slight change of the title of the NOA to clarify the NOA is for the interlayers and not glass, dated 02/12/21, signed and sealed by Julia Schimmelpenningh, Technical Engagement Manager – Architectural Interlayers, Eastman Chemical Company. ***(Submitted under NOA No. 21-0216.01)***

2. Statement letter of code conformance, complying with **FBC 6th Edition (2017)** and with **FBC 7th Edition (2020)** issued by W. W. Schaefer Engineering & Consulting, P.A., dated 06/04/20, signed and sealed by Warren W. Schaefer, P.E. ***(Submitted under NOA No. 20-0622.041)***

3. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated 10/24/11, signed and sealed by Warren W. Schaefer, P.E. ***(Submitted under NOA No. 11-1102.11)***

G. OTHERS

1. Notice of Acceptance No. **20-0622.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 08/06/20, expiring on 05/21/21.

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0713.18
Expiration Date: May 21, 2026
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NOTICE OF ACCEPTANCE: EVIDENCE PAGE

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 8th Edition (2023)** and with **FBC 7th Edition (2020)**, dated July 1, 2023, issued by W. W. Schaefer Engineering & Consulting, P.A. and signed and sealed by Warren W. Schaefer, P.E.

G. OTHERS

1. Notice of Acceptance No. **21-0216.01** issued to **Eastman Chemical Company (MA)** for their "**Saflex PVB Interlayers - Clear and Colored for Glass**" dated 04/29/21, expiring on 05/21/26.

Manuel Perez

Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0713.18
Expiration Date: May 21, 2026
Approval Date: August 17, 2023

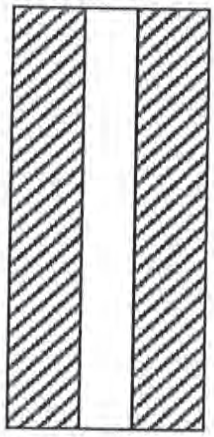
PRODUCT REVISED
As complying with the Florida Building Code
NOA–No. 23-0713.18
Expiration Date: 05/21/2026
By: Manuel Perez
Miami–Dade Product Control

Saflex® PVB Interlayer

(clear &/or colored Saflex @ 35% - 50%)

PRODUCT REVISED
as complying with the Florida Building Code
NOA–No. 21-0216.01
Expiration Date 05/21/2026
By
Miami–Dade Product Control

A B A



SECTION

Product Description

Manufactured by: Eastman Chemical Company

Description: Clear or Colored monolithically extruded interlayers made of polyvinyl butyral resin and triethyleneglycol bis(2-ethyl hexanoate) plasticizer at concentrations between 35 and 50%. 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 thicknesses indicated – multiple plies of interlayer to be used as necessary.

A – 2.3 mm (3/32 in)	Annealed Glass
B – 0.76 mm (0.030 in)	Saflex® and/or Vanceva® interlayers

Product Properties

Description	Test	Saflex® @ 30% (2)
(1) Self-Ignition temperature	ASTM D1929	760°F
(1) Smoke Density	ASTM D2843	5%
(1) Rate of Burning	ASTM D635	< 25 mm mark (not reported)
(1) Time of Burning	ASTM D635	< 5 sec
(1) Extent of Burning	ASTM D635	0.31 inch
(1) Avg Mod of Rupture	ASTM C158	(1) Weathering (3) Before: 2556 psi After: 2657 psi

1) Specimen: Laminated glass with Saflex® and/or Vanceva® interlayer
2) Interlayer by itself (unprotected) does NOT comply with Florida Building Code
3) Weathering per section 2615 of the Florida Building Code

® Saflex and Vanceva are registered trademarks of Eastman Chemical Company

Rev #	Description	Date
D	Reviewed for FBC	07/29/20
C	Combined Multi-layer and Saflex; removed IIIG name	12/12/11
B	Renewed Flammability test data	03/21/11
A	Combined RM & IIIG Products info one document	04/02/03

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

AUG 0 3 2020

Warren W. Schaefer, P.E.
Structural Engineer
P.E. No. 44135

Eastman Chemical Company
730 Worcester Street, Springfield, MA 01151
Phone: 413-730-3413 E-mail: glazing@esatman.com

Title: **Saflex® Based Interlayers for Laminated Glass**

W.W. Schaefer Engineering & Consulting, P.A.
Structural Consulting Engineers
7480 150th Court North
Palm Beach Gardens, FL 33418
Phone: 561-744-3424

Drawing Number	Sheet Number	Drawing Date	Revisions Date
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Saflex® PVB interlayer continued

Saflex® Multi-layer Product Properties

Footnote	Description	Test	Dade County Criteria	Saflex Multi-layer Series (2)
(1)	Test for Smoke Density	ASTM D2843	Passed (<75%)	26.6%
(1)	Self Ignition Temperature	ASTM D1929	Passed (>550°F)	750°F
(1)	Rate of Burning	ASTM D635	Passed (C-1; ,1.0 in/min)	---
(1)	Average Time of Burning	ASTM D635	---	<5 sec.
(1)	Average Extent of Burning	ASTM D635	---	0.51 in
(1) & (3)	Average Modulus of Rupture	ASTM C158	Passed (<10.0%)	Delta: 4.9% Before: 3842 psi After: 4042 psi

1) Specimen: Laminated glass with Saflex® and/or Vanceva® interlayer
2) Interlayer by itself (unprotected) does NOT comply with Florida Building Code
3) Weathering per section 2615 of the Florida Building Code

Saflex® and Vanceva® Solar/Color and Colorant Properties

Material Designation	Smoke Density Rating ASTM D2843	Dade Notification #
Vanceva® & Saflex® - Clear	5%	ETC-11-726-25079.0
Vanceva® & Saflex® - White	20%	ETC-11-726-25079.0
Vanceva® & Saflex® - Black	2%	ETC-11-726-25079.0
Vanceva® & Saflex® - Blue	5%	ETC-11-726-25079.0
Vanceva® & Saflex® - Yellow	9%	ETC-11-726-25079.0
Vanceva® & Saflex® - Red	10%	ETC-11-726-25079.0

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Drawing Number	Sheet Number	Drawing Date	Revisions Date
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Saflex® PVB interlayer continued

Saflex® interlayers are known as Saflex, Saflex colors, Saflex Multi-layer, SilentGlass Technology™ and Vanceva ® Color

Vanceva and/or Saflex are known as: AR, CL, DA through DZ, MG, NA, RA through RZ, SA through SZ and VA through VS. (e.g.: RB41, NA71).

Saflex® Multi-layer interlayers are known as: Q series (QA through QZ) and Silent Glass Technology (e.g.: QB51, QS41 etc.)

® Saflex and Vanceva are registered trademarks of Eastman Chemical Company
™Silent glass Technology is a trademark of Eastman Chemical Company

This is a component approval and does not include an evaluation of structural performance of this component. Systems incorporating this component shall apply for an NOA to the Miami-Dade Product Control 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. A list of authorized laminators shall be filed with Miami-Dade County by Eastman Chemical Company.

WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

AUG 0 3 2020

Warren W. Schaefer, P.E.
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