



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

NOTICE OF ACCEPTANCE (NOA)

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

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® HP Clear and Colored Interlayers for Laminated Glass

APPROVAL DOCUMENT: Drawing No. **1814**, titled "Saflex® HP Interlayers for Laminated Glass", sheets 1 and 2 of 2, dated 01/09/23, with revision **#5** dated 01/09/23, 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 HP**, 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.

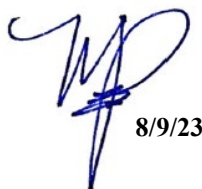
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

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. 22-1130.04** 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.**




8/9/23

NOA No. 23-0713.20
Expiration Date: April 14, 2028
Approval Date: August 17, 2023
Page 1

Eastman Chemical Company (MA)

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **1814**, titled "Saflex® HP Interlayers for Laminated Glass", sheets 1 and 2 of 2, dated 01/09/23, with Revision #5, dated 01/09/23, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 22-1130.04)

B. TESTS

	<u>Test Report</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
1.	Intertek-M9090.01-106-18 R0	ASTM D2843	01/17/22	Vinu J. Abraham, P.E.
2.	Intertek-M9090.01-106-18 R0	ASTM D1929	01/17/22	Vinu J. Abraham, P.E.
3.	Intertek-M9090.01-106-18 R0	ASTM D635	01/17/22	Vinu J. Abraham, P.E.

(Submitted under NOA No. 22-1130.04)

	<u>Test Report</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
4.	ETC-07-726-20120.0	ASTM D2843	07/17/08	Joseph L. Doldan, P.E.
5.	ETC-07-726-20120.0	ASTM D1929	07/17/08	Joseph L. Doldan, P.E.
6.	ETC-07-726-20120.0	ASTM D635	07/17/08	Joseph L. Doldan, P.E.
7.	ETC-07-726-20120.0	ASTM C158	07/17/08	Joseph L. Doldan, P.E.

(Submitted under NOA No. 09-0223.05)

	<u>Test Report</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
8.	ETC-03-191-13748.0	ASTM D2843	07/25/03	Joseph L. Doldan, P.E.


(Submitted under NOA No. 08-1224.04)

	<u>Test Report</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
9.	Omega 15542-109493	ASTM E84	09/12/01	J.W. Dougherty, P.E.
10.	Omega 15542-109763	ASTM E84	10/30/01	J.W. Dougherty, P.E.
11.	HTL 0003-0913-01	PA201 & PA20	09/12/02	Vinu J. Abraham, P.E.
12.	ETC 01-726-10071.0	ASTM C158	10/15/01	Joseph L. Doldan, P.E.
13.	ETC 01-726-11204.0	ASTM D1929	09/24/01	Joseph L. Doldan, P.E.
14.	ETC 01-726-11204.0	ASTM D635	09/24/01	Joseph L. Doldan, P.E.
15.	ETC 01-726-11204.0	ASTM D2843	09/24/01	Joseph L. Doldan, P.E.

(Submitted under NOA No. 03-0421.01)

C. CALCULATIONS

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0713.20
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NOTICE OF ACCEPTANCE: EVIDENCE PAGE

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

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS


1. None.

F. STATEMENTS

1. Statement letter of code conformance, complying with **FBC 7th Edition (2020)** issued by W. W. Schaefer Engineering & Consulting, P.A., dated 12/22/22, signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 22-1130.04)
2. Statement letter of no financial interest issued by W. W. Schaefer Engineering & Consulting, P.A., dated 12/22/22, signed and sealed by Warren W. Schaefer, P.E.
(Submitted under NOA No. 22-1130.04)
3. Statement letter from manufacturer, certifying that there has been no change to the product since last tested and requesting a 5-year renewal, signed and sealed by Julia Schimmelpenninck, Technical Engagement Manager – Architectural interlayers, Eastman Chemical Company.
(Submitted under NOA No. 22-1130.04)

G. OTHERS

1. Notice of Acceptance No. **20-0622.02** issued to **Eastman Chemical Company (MA)** for their “**Saflex HP Clear or Color Glass Interlayers**” dated 08/06/20, expiring on 04/14/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0713.20
Expiration Date: April 14, 2028
Approval Date: August 17, 2023

Eastman Chemical Company (MA)

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.

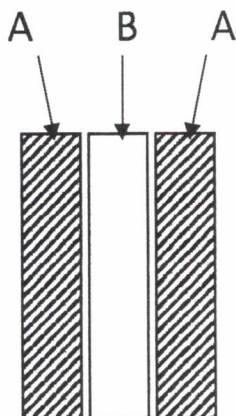
F. STATEMENTS

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. **22-1130.04** issued to **Eastman Chemical Company (MA)** for their “**Saflex® HP Clear or Color Glass Interlayers**” dated 01/26/23, expiring on 04/14/28.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0713.20
Expiration Date: April 14, 2028
Approval Date: August 17, 2023



SECTION

Saflex® HP

Product Description

Manufactured By: Eastman Chemical Company

Description: Saflex® HP is a clear and/or colored Polyvinyl Butyral between 10 – 34% plasticizer for lamination between two or more lites of glass. A typical glazing is made of the following components (minimum thicknesses indicated - multiple layers of interlayer to be used as necessary):

A - 2.3 mm (0.090-in) Annealed Glass

B - 0.76 mm (0.030-in) Saflex® HP Interlayers (Clear or Colored)

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **22-1130.04**

Expiration Date: **04/14/2028**

By: *Manuel Perez*
Miami-Dade Product Control

PRODUCT REVISED
As complying with the Florida
Building Code
NOA-No. **23-0713.20**

Expiration Date: **04/14/2028**

By: *Manuel Perez*
Miami-Dade Product Control

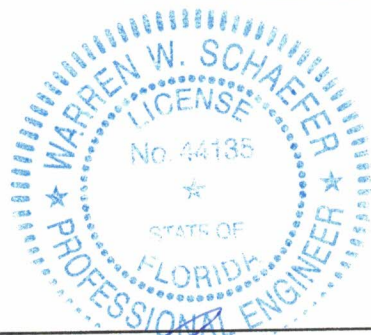
Clear Product Properties

Description	Test	PVB [10]	PVB [34]
Self Ignition Temp	ASTM D1929	752°F	752°F
Rate of Burning	ASTM D635	Class CC1	Class CC1
Smoke Density	ASTM 2843	17%	7.8%
Avg Mod of Rupture	ASTM C158	Delta:10%	Delta: 7.8%
		Before: 11090 psi After: 9976 psi	Before: 5319 psi After: 5490 psi

- (1) Specimen: Laminated glass with Saflex® HP type interlayer
- (2) Saflex® HP type interlayer by itself (unprotected) does NOT comply with Florida Building Code.
- (3) Weathering per section 2612 of the Florida Building Code

Color Product Properties

Material Designation Vanceva ® & Saflex® Solar/Colorants	Smoke Density Rating ASTM D 2843	Dade Notification #
Clear	5%	ETC-11-726-25079.0
White	20%	ETC-11-726-25076.0
Black	2%	ETC-11-726-25080.0
Blue	5%	ETC-11-726-25077.0
Yellow	9%	ETC-11-726-25079.0
Red	10%	ETC-11-726-24882.0



5	CHANGED FOR NEW FLAMMABILITY TESTING	01/09/23
4	CHANGED FOR LABEL CLARIFICATION	04/06/12
3	CHANGED PRODUCT NAME TO SAFLEX	09/12/08
2	DELETED RM & IIIG OPTIONS	03/24/03
1	ADDED INTERLAYER "B"	11/14/01
Rev #	DESCRIPTION	DATE

JAN 09 2023

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

W.W. SCHAEFER ENGINEERING & CONSULTING P.A.
STRUCTURAL CONSULTING ENGINEERS
26376 NADIR ROAD, UNIT 309
PUNTA GORDA, FL 33983
PHONE: 561-744-3424

Eastman Chemical Company

730 Worcester Street, Springfield, MA 01151
Phone: 413-730-3413; glazing@eastman.com

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

Drawing No.
1814

Drawn by:

Drawing Date
01/09/23

Sheet No.
1 OF 2

Extruded Multi-layer Properties

Footnote	Description	Test	Dade County Criteria	Saflex® Multi-layer Series (2)
(1)	Test for Smoke Density	ASTM D 2843	Passed (<75%)	11.1
(1)	Self Ignition Temperature	ASTM D 1929	Passed (>650°F)	752°F
(1)	Rate of Burning	ASTM D 635	Passed (C-1:<1.0 in/min)	Class CC1
(1) & (3)	Average Modulus of Rupture	ASTM C 158	Passed (<10.0%)	Delta: 4.9% Before: 3842 psi After: 4042 psi

(1) Specimen: Laminated glass with Saflex® Multi-layer interlayer

(2) Interlayer by itself (unprotected) does NOT comply with Florida Building Code

(3) Weathering per section 2612 of the Florida Building Code

Interlayer Note(s):

Saflex® HP can be constructed as layers of Saflex, Saflex Multi-layer and Vanceva® PVB interlayers to add color, performance or thickness without the use of a PET film.

Saflex HP type interlayers are currently provided as: Saflex D series and Saflex Structural and encompasses products known as known as Saflex AG, Saflex DG, Saflex DM, Saflex DN, Saflex RM, Saflex PS and Saflex PV.

Saflex interlayers are known as Saflex, Saflex Clear, Saflex FlySafe 3D, Saflex Solar, Saflex Structural, Saflex Secure, Saflex Storm, Saflex UV, Saflex Multi-layer, SilentGlass Technology™ and Vanceva Color and can carry designations such as: AR,CL,DA through DZ,MG,NA,RA through RZ, SA through SZ, and VA through VZ. (e.g.: RB41, NA71).

Saflex Multi-layer interlayers are known as: Q series (QA through QZ) and Saflex Acoustic or Silent Glass Technology (e.g.: QB 51, QS 41 etc.).

® Saflex and Vanceva are registered trademarks of Eastman Chemical Company

™ SilentGlass 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



PRODUCT REVISED
As complying with the Florida Building Code

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By: *Manuel Perez*

Miami-Dade Product Control

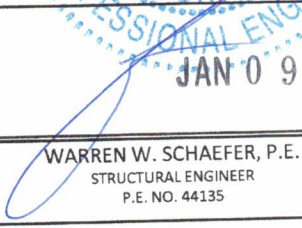
PRODUCT REVISED
as complying with the Florida Building Code

NOA-No. **22-1130.04**

Expiration Date: **04/14/2028**

By: *Manuel Perez*

Miami-Dade Product Control

 WARREN W. SCHAEFER, P.E. STRUCTURAL ENGINEER P.E. NO. 44135	Eastman Chemical Company 730 Worcester Street, Springfield, MA 01151 Phone: 413-730-3413; glazing@eastman.com			
	Title: Saflex® HP Interlayers for Laminated Glass			
W.W. SCHAEFER ENGINEERING & CONSULTING P.A. STRUCTURAL CONSULTING ENGINEERS 26375 NADIR ROAD, UNIT 309 PUNTA GORDA, FL 33983 PHONE: 561-744-3424	Drawing No. 1814	Drawn by:	Drawing Date 01/09/23	Sheet No. 2 OF 2