



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/economy

Kuraray America, Inc.
 2625 Bay Area Boulevard, Suite 600
 Houston, TX 77058

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: Trosifol XT Glass Interlayer

APPROVAL DOCUMENT: Drawing No. 1425, titled "Trosifol XT Interlayer for Laminate Glass" sheets 1 and 2 of 2, dated 08/11/2010, with revision A dated 06/24/2014, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoroso, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Laminated lites under this Product Approval shall be permanently marked in a corner of the glass with: a) Trosifol XT, b) Laminator's identification mark, c) Glass standard specifications and d) MDCA, standing for "Miami-Dade County Approved, This marks shall be applied by the laminator producing the laminated glass.

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 renews NOAs # 10-0928.02 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

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



Utrera
 10/03/2014

NOA No. 14-0714.01
 Expiration Date: July 8, 2019
 Approval Date: October 9, 2014
 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **1425**, titled "Trosifol XT Interlayer for Laminate Glass" sheets 1 and 2 of 2, dated 08/11/2010, with revision A dated 06/24/2014, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS "Submitted under # NOA # 09-0323.15"

	<u>Laboratory Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	ETC-08-1023-20266.1	ASTM D 635	12/12/08	Joseph L. Doldan, P.E.
2.	ETC-08-1023-20266.1	ASTM D1929	12/12/08	Joseph L. Doldan, P.E.
3.	ETC-08-1023-20266.1	ASTM D 2843	12/12/08	Joseph L. Doldan, P.E.
4.	ETC-08-1023-20266.1	ASTM C 158	12/12/08	Joseph L. Doldan, P.E.
5.	ETC-08-1023-20266.1	ASTM C 158	12/12/08	Joseph L. Doldan, P.E.

"Submitted under # NOA # 09-0323.16"

	<u>Laboratory Report</u>	<u>Test</u>	<u>Date</u>	<u>Signature</u>
1.	ETC-08-1023-20267.1	ASTM D 635	09/11/08	Joseph L. Doldan, P.E.
2.	ETC-08-1023-20267.1	ASTM D1929	09/11/08	Joseph L. Doldan, P.E.
3.	ETC-08-1023-20267.1	ASTM D 2843	09/11/08	Joseph L. Doldan, P.E.
4.	ETC-08-1023-20267.1	ASTM C 158	09/11/08	Joseph L. Doldan, P.E.
5.	ETC-08-1023-20267.1	ASTM C 158	09/11/08	Joseph L. Doldan, P.E.

C. CALCULATIONS:

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

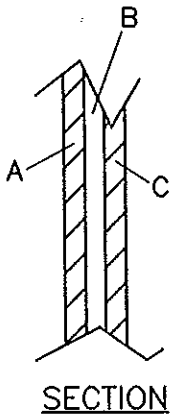
F. STATEMENTS

1. Statement letter of code conformance to 2010 and 5th edition (2014) FBC and no financial interest, issued by PTC Product Design Group, LLC, dated 06/24/2014, signed and sealed by Robert J. Amoruso, P.E.
2. Distributor agreement dated 06/23/2014.



10/03/2014

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0714.01
Expiration Date: July 8, 2019
Approval Date: October 9, 2014



TROSIFOL® XT
(CLEAR) @ 17%-29%
PRODUCT DESCRIPTION

MANUFACTURED BY: KURARAY AMERICA, INC.
DESCRIPTION: CLEAR MONOLITHICALLY EXTRUDED LAYERS MADE OF POLY VINYL BUTYRAL RESIN AND PLASTICIZER AT CONCENTRATIONS BETWEEN 17% AND 29%, THE PLASTICIZER CONSISTING OF TRIETHYLENEGLYCOL (2-ETHYLHEXANOATE) OPTIONALLY IN ADMIXTURE WITH ALIPHATIC ESTER PLASTICIZER IN UP TO 20%. INTERLAYER IS OFFERED UNDER THE BRAND NAMES OF TROSIFOL FOR LAMINATION BETWEEN A MINIMUM OF TWO GLASSES. A TYPICAL GLAZING IS MADE UP OF THE FOLLOWING COMPONENTS (MINIMUM THICKNESS IS INDICATED—MULTIPLE PLIES OF INTERLAYERS TO BE USED AS NECESSARY).

A - 0.105 IN. (2.667 mm) ANNEALED GLASS
B - 0.030 IN. (0.760 mm) TROSIFOL XT INTERLAYERS
C - 0.105 IN. (2.667 mm) ANNEALED GLASS

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 14-074.01
Expiration Date 07/08/2019
By *[Signature]*
Miami Dade Product Control

TROSIFOL XT 17%

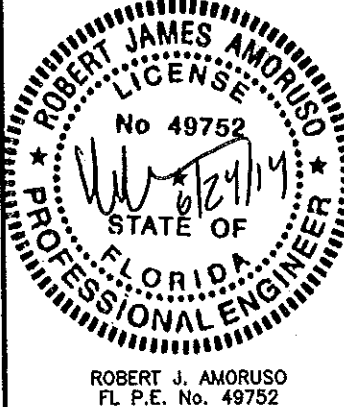
No.	Test Description	Test Method	Test Result	Current Building Code Criteria
1.	Test for Smoke Density	ASTM D2843	7.5%	Passed (<75%)
2.	Test for Rate of Burning	ASTM D635	*see footnote	Passed (CC1:<1.0 in/min)
2.1	Average Time of Burning	ASTM D635	*see footnote	---
2.2	Average Extent of Burning	ASTM D635	*see footnote	---
3.	Test for Self Ignition Temperature	ASTM D1929	780 F	Passed (>650 °F)
4.	Tensile Strength of Unexposed Samples	ASTM C158	355.96 psi	--
4.1	Tensile Strength of 4500-hour Xenon Arc Exposed Samples	ASTM C158	354.59 psi	--
4.2	Percent Difference between No. 4 and No 4.1	--	0.4%	Passed (<+/-10.0%)

* FLAME DID NOT REACH 25MM REFERENCE MARK

TROSIFOL XT 29%

No.	Test Description	Test Method	Test Result	Current Building Code Criteria
1.	Test for Smoke Density	ASTM D2843	7.5%	Passed (<75%)
2.	Test for Rate of Burning	ASTM D635	*see footnote	Passed (CC1:<1.0 in/min)
2.1	Average Time of Burning	ASTM D635	*see footnote	---
2.2	Average Extent of Burning	ASTM D635	*see footnote	---
3.	Test for Self Ignition Temperature	ASTM D1929	769 F	Passed (>650 °F)
4.	Modulus of Rupture of Unexposed Samples	ASTM C158	3,311.7 psi	---
4.1	Modulus of Rupture of 4500-hour Xenon Arc Exposed Samples	ASTM C158	3,563.0 psi	---
4.2	Percent Difference between No. 4 and No. 4.1	--	-7.5%	Passed (<+/-10.0%)

* FLAME DID NOT REACH 25MM REFERENCE MARK



Project # 414-0409

REV.	DESCRIPTION	DATE	BY
A	REVISION TO 2010 FBC AND 5th EDITION (2014) FBC AND RENEWAL	6/24/14	RJA

TROSIFOL® XT
KURARAY AMERICA, INC.
2625 BAY AREA BOULEVARD, SUITE 600
HOUSTON, TX 77058-1551
PHONE: 800-423-9762


PREPARED BY:
PTC
PTC Product Design Group, LLC
PO BOX 520775
LONGWOOD, FL 32752-0775
FBPE Certificate of Authorization No. 25935

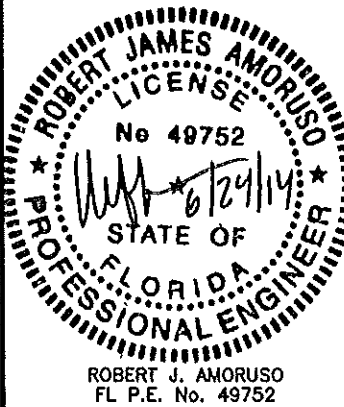
TROSIFOL XT INTERLAYER FOR LAMINATE GLASS

Phone 321.690.1788
info@ptc-corp.com

GENERAL NOTES:

1. SPECIMEN: LAMINATED GLASS WITH TROSIFOL XT INTERLAYER.
2. WEATHERING CODE COMPLIANCE PER APPROPRIATE SECTIONS OF THE CURRENT EDITION OF THE FLORIDA BUILDING CODE – BUILDING AND RESIDENTIAL VOLUMES.
3. TROSIFOL XT INTERLAYER BY ITSELF DOES NOT COMPLY WITH THE FLORIDA BUILDING CODE.
4. 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 DIVISION 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 FLORIDA BUILDING CODE. A LIST OF AUTHORIZED LAMINATORS SHALL BE FILED WITH MIAMI-DADE COUNTY BY KURARAY, INC.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 14-0714-01
 Expiration Date 07/06/2019
 By 
 Miami Dade Product Control



Project # 414-0409

REV.	DESCRIPTION	DATE	BY
A	REVISION TO 2010 FBC AND 5th EDITION (2014) FBC AND RENEWAL	6/24/14	RJA

TROSIFOL® XT
 KURARAY AMERICA, INC.
 2625 BAY AREA BOULEVARD, SUITE 600
 HOUSTON, TX 77058-1551
 PHONE: 800-423-9762

PREPARED BY:

 PTC Product Design Group, LLC
 PO BOX 520775
 LONGWOOD, FL 32752-0775
 FBPE Certificate of Authorization No. 25935

TROSIFOL XT INTERLAYER FOR LAMINATE GLASS
 DATE: 08/11/10 DRAWN BY: JM PAGE 2 OF 2 DRAWING #: 1425

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 Info@ptc-corp.com