



**BUILDING AND NEIGHBORHOOD COMPLIANCE DEPARTMENT (BNC)
BOARD AND CODE ADMINISTRATION DIVISION**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/building/home.asp

Kuraray America, Inc.
2625 Bay Area Boulevard, Suite 300
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 by Miami-Dade County Product Control Section 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 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. BORA 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 08/11/10, prepared by PTC, LLC, signed and sealed by Robert J. Amoruso, 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: 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 revises NOAs # **09-0323.15/16** 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.**



[Handwritten Signature]
01/06/11

NOA No. 10-0928.02
Expiration Date: July 08, 2014
Approval Date: January 26, 2011
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 08/11/10, prepared by PTC, 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 Building and Neighborhood Compliance Department (BNC)

E. MATERIAL CERTIFICATIONS

1. None.

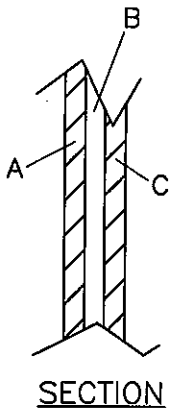
F. STATEMENTS

1. Statement letter of code conformance to FBC 2007 and no financial interest, issued by PTC, LLC, dated 08/19/10, signed and sealed by Robert J. Amoruso, P.E.
2. Distributor agreement dated 08/06/09. **"Submitted under # NOA # 09-0323.15/16"**



01/06/11

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-0928.02
Expiration Date: July 08, 2014
Approval Date: January 26, 2011



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 REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 10-0928.02
 Expiration Date 27/03/2014
 By: *[Signature]*
 Miami Dade Product Control
 Division

TROSIFOL XT 17%

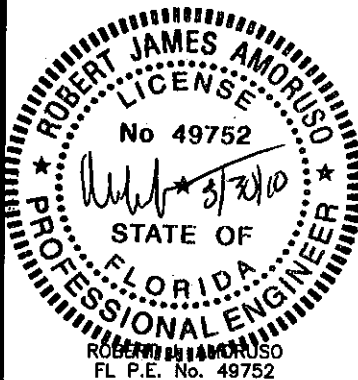
No.	Test Description	Test Method	Test Result	Dade County Criteria
1.	Test for Smoke Density	ASTM D2843	7.5%	Passed (<75%)
2.	Test for Rate of Burning	ASTM D635	*see footnote	Passed (C-1:<1.0 in/min)
2.1	Average Time of Burning	ASTM D635	*see footnote	--
2.2	Average Extent of Burning	ASTM D635	*see footnote	--
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	Dade County Criteria
1.	Test for Smoke Density	ASTM D2843	7.5%	Passed (<75%)
2.	Test for Rate of Burning	ASTM D635	*see footnote	Passed (C-1:<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



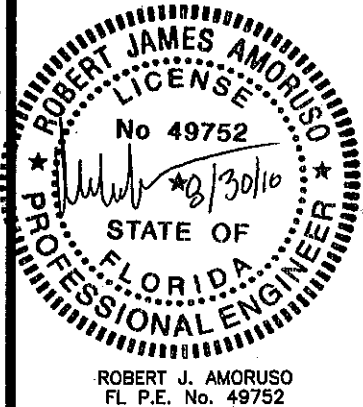
DESCRIPTION	Project # 310-0706
TROSIFOL® XT KURARAY AMERICA, INC. 2625 BAY AREA BOULEVARD, SUITE. 300 HOUSTON, TX 77058-1551 PHONE: 607-796-9842 FAX: 607-739-4740	
PREPARED BY: PTC, LLC PO BOX 520775 LONGWOOD, FL 32752-0775 FBPE Certificate of Authorization No. 25935	

TROSIFOL XT INTERLAYER FOR LAMINATE GLASS

GENERAL NOTES:

- 1.) SPECIMEN: LAMINATED GLASS WITH TROSIFOL XT INTERLAYER.
- 2.) WEATHERING PER SECTION 2612.2 OF THE FLORIDA BUILDING CODE.
- 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 F.B.C. A LIST OF AUTHORIZED LAMINATORS SHALL BE FILED WITH DADE COUNTY BY KURARAY, INC.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 10-0928,02
 Expiration Date 07/08/2014
 By *[Signature]*
 Miami Dade Product Control
 Division



DESCRIPTION		Project # 310-0706
TROSIFOL® XT KURARAY AMERICA, INC. 2625 BAY AREA BOULEVARD, SUITE. 300 HOUSTON, TX 77058-1551 PHONE: 607-796-9842 FAX: 607-739-4740		PREPARED BY: PTC, LLC PO BOX 520775 LONGWOOD, FL 32752-0775 FBPE Certificate of Authorization No. 25935 Phone 321.690.1788 Fax 321.690.1789 www.ptc-corp.com
TROSIFOL XT INTERLAYER FOR LAMINATE GLASS		
DATE: 08/11/10	DRAWN BY: JM	PAGE 2 OF 2
		DRAWING #: 1425