



**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)

**Trosifol North America LTD
160 Bixby Road
Erin, NY 14838**

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: Trosifol XT-90 Interlayer

APPROVAL DOCUMENT: Drawing No.XT-90, Sheets 1 of 1, titled "Trosifol XT-90 Interlayer for Laminate Glass" dated 12/19/05, prepared by Trosifol North America, LTD signed and sealed by V. J. Abraham PE. bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Glass laminated with XT-90 shall be permanently marked in a corner of the glass with: a) Authorized Laminator name. b) Glass standard specifications. c) MDCPCA that stands for Miami-Dade County Product Control Approved.

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 consists of this page, evidence page as well as approval document mentioned above.

The submitted documentation was reviewed by **Candido E. Font PE.**

Candido E. Font
04/27/06



**NOA No: 06-0109.06
Expiration Date: April 27, 2011
Approval Date: April 27, 2006
Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No.XT-90, Sheets 1 of 1, titled "Trosifol XT-90 Interlayer for Laminate Glass" dated 12/19/05, prepared by Trosifol North America LTD, signed and sealed by V. J. Abraham PE.

B. TESTS

	Laboratory	Test	Date	Signature
1.	ETC-05-761-16198.0	ASTM D 2843	06/07/05	J. L. Doldan, PE.
2.	ETC-05-761-16198.0	ASTM D 635	06/07/05	J. L. Doldan, PE.
3.	ETC-05-761-16198.0	ASTM D 1929	06/07/05	J. L. Doldan, PE.
4.	ETC-05-761-16198.0	ASTM C 158	06/07/05	J. L. Doldan, PE.

C. MATERIAL CERTIFICATION

N/A

D. QUALITY ASSURANCE

1. Building Code Compliance Office.

E. STATEMENTS

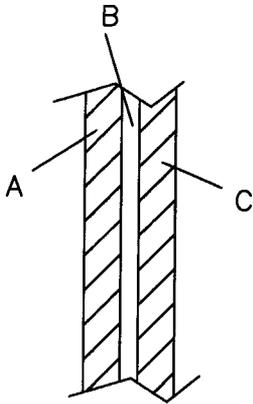
1. Code compliance letter issued by V. J. Abraham on 03/27/06 signed and sealed by V. J. Abraham PE.
2. No financial interest letter issued by V. J. Abraham on 03/27/06 signed and sealed by V. J. Abraham PE.



04/27/06

Candido F. Font PE.
Sr. Product Control Examiner
NOA No 06-0109.06
Expiration Date: April 27, 2011
Approval Date: April 27, 2006

TROSIFOL® XT-90
PRODUCT DESCRIPTION



SECTION

A	0.105 in.(2.667 mm) ANNEALED GLASS
B	0.030 in.(0.762 mm) XT-90 INTERLAYER
C	0.105 in.(2.667 mm) ANNEALED GLASS

MANUFACTURED BY: TROSIFOL NORTH AMERICA, LTD.
DESCRIPTION: XT-90 IS A LAMINATE FILM MADE OF POLY VINYL BUTRYAL (PVB) FOR LAMINATION BETWEEN A MINIMUM OF TWO PIECES OF GLASS. A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS (MINIMUM THICKNESS INDICATED - THICKER LAYERS OF XT-90 CAN BE USED AS NECESSARY.)

REFERENCE:
Dade County
Notification Number:
Trosifol XT-90/ETC05007

PRODUCT PROPERTIES

FOOT NOTE	TEST DESCRIPTION	TEST METHOD	TEST RESULTS	
(2)&(4)	SMOKE DENSITY	ASTM D2843	22.7%	
(1)	SMOKE DENSITY	ASTM D2843	28.6%	
(2)&(4)	RATE OF BURNING	ASTM D635	2.76 in/min	
(1)	AVERAGE TIME OF BURNING	ASTM D635	< 5 SECS	
(1)	AVERAGE EXTENT OF BURNING	ASTM D635	16 mm	
(2)&(4)	SELF IGNITION TEMPERATURE	ASTM D1929	610°F	
(1)	SELF IGNITION TEMPERATURE	ASTM D1929	1050°F	
(1) & (3)	AVERAGE MODULUS OF RUPTURE	ASTM C158	WEATHERING	
			BEFORE	AFTER
			2660.89 PSI	2895.07 PSI

- (1) SPECIMEN LAMINATED GLASS WITH XT-90 INTERLAYER
- (2) SPECIMEN: XT-90 INTERLAYER ONLY
- (3) WEATHERING PER SECTION 2605.2 OF THE FLORIDA BUILDING CODE
- (4) TROSIFOL XT-90 INTERLAYER BY ITSELF DOES NOT COMPLY WITH THE FLORIDA BUILDING CODE.

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THIS COMPONENT SHALL APPLY FOR A N.O.A. TO THE MIAMI-DADE COUNTY 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 TROSIFOL NORTH AMERICA, LTD.

Approved as complying with the Florida Building Code
Date: 04/27/06
NOA#: 06-0109-06
Miami-Dade Product Control Division
By:

REV	DATE	DESCRIPTION
A	3/22/06	added /min to Rate of Burn Added basis of approval below footnote (4)
PROJECT NAME: TROSIFOL® XT-90		
TROSIFOL NORTH AMERICA, LTD. A PART OF KURARAY SPECIALITIES EUROPE GmbH MULHEIMER STR. 26 D-53840 TROISDORF PHONE: +49 2241 85-3438 FAX: +49 2241 85-3516		
DRAWING: Trosifol XT-90 Interlayer for Laminate Glass		
DATE:12/19/05	DRAWN BY: MEC	PAGE 1 OF 1 DRAWING#: XT-90

VINU J. ABRAHAM, P.E.
CIVIL ENGINEER
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RIVIERA BEACH FL, 33404
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