



**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)

**Arkema, Inc.
900 First Avenue.
King of Prussia, PA 19406**

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: Tuffak XL Polycarbonate Sheet.

APPROVAL DOCUMENT: Drawing No. G06-01, Sheet 1 of 1, titled "TUFFAK XL POLYCARBONATE SHEET" dated 11/01/06 with no revisions prepared by Arkema Inc, signed and sealed by H. Farooq PE, 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 Division.

MISSILE IMPACT RATING: None

LIMITATIONS. This approval does not include an evaluation of structural performance of this component. Test reports and other required documents shall be submitted to Dade County Product Control; showing that the systems using this polycarbonate sheets will resist the loads according to chapter 16 of the F.B.C. in order to issue an specific product approval for the system.

LABELING: Plastic sheets under this Product Approval shall be permanently marked in a corner of the sheet with: the manufacturer's name or logo, city, state and the following statement "Miami-Dade County Product Control Approved or the initials MDCPCA.

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 NOA # 05-0913.01 and consists of this page, evidence page and approval document mentioned above. The submitted documentation was reviewed by **Candido F. Font PE.**


12/28/06



**NOA No: 06-0505.02
Expiration Date: January 13, 2011,
Approval Date: December 28, 2006
Page 1**

Arkema, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

A DRAWING:

1. Drawing No. G06-01, titled "TUFFAK XL POLYCARBONATE SHEET" sheet 1 of 1, prepared by Arkema Inc. dated 11/01/06 signed and sealed H. Farooq PE.

B TEST REPORTS:

Laboratory Report	Test	Date	Signature
1. ETC 05-998-16400.0	ASTM D 2843	02/16/06	J. L. Doldan, PE
2. ETC 05-998-16400.0	ASTM D 635	02/16/06	J. L. Doldan, PE.
3. ETC 05-998-16400.0	ASTM D 1929	02/16/06	J. L. Doldan, PE.
4. ETC 05-998-16400.0	ASTM D 638	02/16/06	J. L. Doldan, PE.
5. ETC 05-998-16400.0	ASTM D 638	02/16/06	J. L. Doldan, PE.

C CALCULATIONS:

N/A

D QUALITY ASSURANCE

1. Building Code Compliance Office.

E STATEMENTS:

1. Letter of Test Compliance issued by Al-Farooq Corporation on 11/10/06, signed and sealed by H. Farooq PE.
2. No financial interest letter issued by Al-Farooq Corporation on 11/10/06, signed and sealed by H. Farooq PE.
3. Amendment of Corporation issued by Pennsylvania Department of State name change from Atofina Chemicals to Arkema Inc, signed by M. J. Smith on 09/24/04.



12/28/06

Candido F. Font PE.

Sr. Product Control Examiner

NOA No 06-0505.02

Expiration Date: January 13, 2011

Approval Date: December 28, 2006

TUFFAK® XL

PRODUCT DESCRIPTION:

TUFFAK® XL WEATHERABLE TRANSPARENT POLYCARBONATE SHEETS AVAILABLE IN 4'X8', 5'X8' AND 6'X8' SIZES AND ALSO AVAILABLE IN REELS. THICKNESS VARIES FROM 0.093 IN. TO 0.460 IN.

GLAZING SYSTEMS USING THIS PRODUCT CAN BE USED AS A COMPONENT OF OF THE BUILDING AFTER HAVING A VALID AND CURRENT PRODUCT CONTROL NOTICE OF ACCEPTANCE.

PRODUCT PROPERTIES

TEST DESCRIPTION	TEST METHOD	TEST RESULTS	
SELF IGNITION TEMP.	ASTM D1929	960°F	
SMOKE DENSITY RATING (MAX.)	ASTM 2843	74.9%	
AVERAGE TIME OF BURNING	ASTM D635	174.3 SEC.	
AVERAGE EXTENT OF BURNING	ASTM D635	0.92 IN.	
AVERAGE RATE OF BURNING	ASTM D635	0.32 IN/MIN	
TENSILE STRENGTH (MEAN)	ASTM D638	8785 PSI	8157 PSI
		* BEFORE	AFTER

* WEATHERING PER SECTION 2612 OF FLORIDA BLDG. CODE 2004.

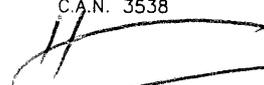
NOTE:

THIS IS A COMPONENT APPROVAL AND DOES NOT INCLUDE AN EVALUATION OF STRUCTURAL PERFORMANCE OF THIS COMPONENT. SYSTEMS INCORPORATING THESE COMPONENTS SHALL APPLY FOR A NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL DIVISION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THESE COMPONENTS WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FBC 2004.

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 06-050502
 Expiration Date: 01/13/11

By: 
 Miami-Dade Product Control
 Division

Engr: DR. HUMAYOON FAROOQ
 STRUCTURES
 FLA. PE # 16557
 C.A.N. 3538


NOV 29 2006

a f c	AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174 TEL. (305) 264-8100 FAX. (305) 262-6978	TUFFAK XL POLYCARBONATE SHEET ARKEMA INC. 900 FIRST AVE.—P.O. BOX 61536 KING OF PRUSSIA, PA. 19406 TEL. (610)878-6500 FAX. (610)878-6215	revisions: no date description	drawing no. G06-01 date: 11-01-06 scale: — sheet 1 of 1
	GLAZING\G06-01			