MIAMI-DADE COUNTY
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
www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Arkema, Inc.
128 Old Brickyard Lane
Kensington, CT 06037

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: Tuffak XL Polycarbonate Sheet

APPROVAL DOCUMENT: Drawing No. **G06-01,** titled "Tuffak XL Polycarbonate Sheet " sheet 1 of 1, dated 11/01/06, with revision A dated 02/04/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., 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 Section.

MISSILE IMPACT RATING: None

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 # 06-0505.02** 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.**

MIAMI-DADE COUNTY APPROVED

02/17/11

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **G06-01,** titled "Tuffak XL Polycarbonate Sheet " sheet 1 of 1, dated 11/01/06, with revision A dated 02/04/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS *"Submitted under NOA # 06-0505.02"*

	Test Report No.	Standard	Date	Signature
1.	ETC 05-998-16400.0	ASTM D 635	02/16/06	Joseph L. Doldan, P.E.
2.	ETC 05-998-16400.0	ASTM D1929	02/16/06	Joseph L. Doldan, P.E.
3.	ETC 05-998-16400.0	ASTM D 2843	02/16/06	Joseph L. Doldan, P.E.
4.	ETC 05-998-16400.0	ASTM D 638	02/16/06	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, dated 02/04/11, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

02/17/11

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 10-1122.01
Expiration Date: January 13, 2016
Approval Date: March 10, 2011

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 2007.

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 SECTION 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 2007.

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 10-1122.01
Expiration Date 01/13/2016
By
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
FEB 08 2011

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

GLAZING\G06-01

TUFFAK XL POLYCARBONATE SHEET

ARKEMA INC.
128 OLD BRICKYARD LANE
KENSINGTON, CT. 06037
TEL. (860)829-3230 FAX. (860)829-3218

revisions: no	date	description
A	2.4.11	REV. PER BCCO COMMENTS

drawing no. G06-01
date: 11-01-06
scale: -
sheet 1 of 1