



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

Plaskolite, LLC
119 Salisbury Road
Sheffield, MA 01257

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: TUFFAK Polycarbonate Sheets

APPROVAL DOCUMENT: Drawing No. **G08-01**, titled "Polycarbonate Sheets", sheet 1 of 1, dated 09/12/2008, with revision K dated 04/15/2024, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, 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: Each sheet shall bear a permanent label with the manufacturer's name or logo, city, state, model/series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

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 NOA # 22-0317.02** and consists of this page 1 and evidence pages E-1, E-2, E-3, E-4 and E-5, as well as approval document mentioned above.

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



05/02/24

NOA No. 24-0205.09
Expiration Date: August 27, 2027
Approval Date: May 9, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted under previous NOA's

A. DRAWINGS “Submitted under NOA # 16-1024.01”

1. Drawing No. **G08-01**, titled “Polycarbonate Sheets”, sheet 1 of 1, dated 09/12/2008, with revision E dated 12/28/2016, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS “Submitted under NOA # 16-1024.01”

	<u>Report No.</u>	<u>Test</u>	<u>Date</u>	<u>Seal & Signature</u>
1.	RJ3724-1	ASTM D1929-13a	12/31/14	Christopher Bowness, P.E.
2.	TJ2554-2	ASTM D635-10	12/24/14	Christopher Bowness, P.E.
3.	TJ2554-6	ASTM D2843-10	12/24/14	Christopher Bowness, P.E.

“Submitted under NOA # 12-0605.05”

4.	B2577.01-106.31	ASTM D1929/2843 ASTM D635/638/2565	04/27/12	G. T. Hartman, P.E.
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“Submitted under NOA # 08-0926.15”

5.	72305.01-106-18	ASTM D1929/2843 ASTM D635/638 ASTM G155	08/06/08	Joseph A. Reed, P.E.
6.	72305.02-106-18	ASTM D1929/2843/635	08/19/08	Joseph A. Reed, P.E.
7.	72305.03-106-18	ASTM D1929/2843/635	08/21/08	Joseph A. Reed, P.E.
8.	72305.04-106-18	ASTM D1929/2843/635	08/21/08	Joseph A. Reed, P.E.
9.	72305.05-106-18	ASTM D1929/2843/635	08/22/08	Joseph A. Reed, P.E.
10.	72305.06-106-18	ASTM D1929/2843/635	08/26/08	Joseph A. Reed, P.E.
11.	72305.07-106-18	ASTM D1929/2843/635	08/26/08	Joseph A. Reed, P.E.
12.	72305.08-106-18	ASTM D1929/2843/635	08/26/08	Joseph A. Reed, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0205.09
Expiration Date: August 27, 2027
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F. STATEMENTS “Submitted under NOA # 17-1219.02”

1. Statement letter of code conformance to the 5th edition (2014) FBC and of no financial interest issued by Al-Farooq Corporation, dated 03/28/2017, signed and sealed by Javad Ahmad, P.E.

“Submitted under NOA # 15-1014.01”

2. Certificate of Amendment of Certificate of Organization dated 09/22/2015.

“Submitted under NOA # 12-0605.05”

3. Statement letter of code conformance to 2010 FBC and no financial interest issued by Al-Farooq Corporation, dated 05/18/2012, signed and sealed by Javad Ahmad, P.E.

“Submitted under NOA # 08-0926.15”

4. Certificate of merger of Sheffield Plastics Inc, and Bayer MaterialScience LLC, dated 03/31/2009.

2. Evidence submitted under NOA # 17-1219.02

A. DRAWINGS

1. Drawing No. **G08-01**, titled “Polycarbonate Sheets”, sheet 1 of 1, dated 09/12/2008, with revision G dated 02/26/2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

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 the 6th edition (2017) FBC and of no financial interest issued by Al-Farooq Corporation, dated 12/01/2017, signed and sealed by Javad Ahmad, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0205.09
Expiration Date: August 27, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. Evidence submitted under NOA # 18-0918.06

A. DRAWINGS

1. Drawing No. **G08-01**, titled “Polycarbonate Sheets”, sheet 1 of 1, dated 09/12/2008, with revision H dated 08/27/2018, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. None.

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. Bill of sale agreement between Covestro LLC and Plaskolite LLC dated 08/01/2018.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0205.09
Expiration Date: August 27, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. Evidence submitted under NOA # 20-1026.03 and # 22-0317.02

A. DRAWINGS

1. Drawing No. **G08-01**, titled “Polycarbonate Sheets”, sheet 1 of 1, dated 09/12/2008, with revision I dated 10/20/2020, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

1. None.

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 the 7th edition (2020) of the FBC, and of no financial interest, issued by Al-Farooq Corporation, dated 03/16/2022, signed and sealed by Jalal Farooq, P.E.
2. Statement letter of code conformance to the 6th edition (2017) and 7th edition (2020) of the FBC, and of no financial interest, issued by Al-Farooq Corporation, dated 10/22/2020, signed and sealed by Jalal Farooq, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0205.09
Expiration Date: August 27, 2027
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. New evidence submitted

A. DRAWINGS

1. Drawing No. **G08-01**, titled “Polycarbonate Sheets”, sheet 1 of 1, dated 09/12/2008, with revision K dated 04/15/2024, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

B. TESTS

	<u>Report No.</u>	<u>Standard</u>	<u>Date</u>	<u>Seal & Signature</u>
1.	104818697MID-001A	ASTM D2843-19	02/01/24	Tanya A. Dolby, P.E.
2.	N8934.01-121-24 R0	NFPA 286-19	01/15/24	Tanya A. Dolby, 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 the 8th edition (2023) of the FBC, and of no financial interest, issued by Al-Farooq Corporation, dated 12/15/2023, signed and sealed by Jalal Farooq, P.E.



Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 24-0205.09
Expiration Date: August 27, 2027
Approval Date: May 9, 2024

PRODUCT PROPERTIES

TEST DESCRIPTION	TEST METHOD	TEST RESULTS TUFFAK® POLYCARBONATE SHEET							
		GP 1/32" THICKNESS	GP 1/16" TO .118" THICKNESS	GP SK 1/18" TO 1/2" THICKNESS **	SL UV 1/18" TO 1/2" THICKNESS	AR 1/8" TO 1/2" THICKNESS	15 EX 1/8" TO 1/2" THICKNESS	SK1 1/18" TO 1/2" THICKNESS **	CA UV 1/8" TO 1/2" THICKNESS
SELF IGNITION TEMP.	ASTM D1929	1022°F	1040°F	1040°F	1022°F	1040°F	1058°F	1030°F	1022°F
FLASH IGNITION TEMP.	ASTM D1929	824°F	824°F	824°F	824°F	806°F	842°F	824°F	824°F
SMOKE DENSITY RATING (MAX.)	ASTM 2843	43.7%	69.4%	69.4%	57.7%	50.9%	51.5%	61.3%	63.5%
SMOKE DENSITY RATING (MAX.)	NFPA 286	--	--	--	--	--	--	--	57.7%
AVERAGE RATE OF BURNING	ASTM D635	--	--	--	--	--	--	--	--
BURNING RATE CLASS	ASTM D635	CC2	CC1	CC1	CC1	CC1	CC1	CC1	CC1

** MATERIAL THICKNESS AT PEAK OF SMOOTH OR PRISMATIC SURFACE

TENSILE PROPERTIES

TEST RESULTS TUFFAK® POLYCARBONATE SHEET			
TEST DESCRIPTION	TEST METHOD	GP 1/16" TO 1/2" THICKNESS	
TENSILE STRENGTH (MEAN)	ASTM D638	8986 PSI	9071 PSI
		* BEFORE	AFTER

* WEATHERING AS PER THE FLORIDA BLDG. CODE.

PRODUCT PROPERTIES

TEST DESCRIPTION	TEST METHOD	TEST RESULTS HYGARD® SHEET						
		CG 375 .390" OVERALL THICKNESS	CG 500 EX 500 .530" OVERALL THICKNESS	CG 750 .780" OVERALL THICKNESS	BR 1000 EX 1000 1.05" OVERALL THICKNESS	BR 1250 EX 1250 1.30" OVERALL THICKNESS	BR 750 .775" OVERALL THICKNESS	MS 1250 EX 1300 1.30" OVERALL THICKNESS
SELF IGNITION TEMP.	ASTM D1929	914°F	896°F		896°F		878°F	896°F
FLASH IGNITION TEMP.	ASTM D1929	734°F	806°F		824°F		680°F	698°F
SMOKE DENSITY RATING (MAX.)	ASTM 2843	69.6%	50.6%		45%		50.6%	45.3%
AVERAGE RATE OF BURNING	ASTM D635	--	--		--		.405 IN./MIN.	.370 IN./MIN.
BURNING RATE CLASS	ASTM D635	CC1	CC1		CC1		CC2	CC2

HYGARD® CG 375

3/16" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
3/16" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® CG 500

HYGARD® EX 500

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/4" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® CG 750

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/2" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® BR 1000

HYGARD® EX 1000

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
3/8" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
3/8" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® BR 1250

HYGARD® EX 1250

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/2" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/2" TUFFAK POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® BR 750

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/2" ACRYLIC SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

HYGARD® MS 1250

HYGARD® EX 1300

1/8" TUFFAK AR-1 POLYCARBONATE SHEET
.025" POLYURETHANE INTERLAYER
1/2" TUFFAK OP SHEET
.025" POLYURETHANE INTERLAYER
1/2" ACRYLIC SHEET
.025" POLYURETHANE INTERLAYER
1/8" TUFFAK AR-1 POLYCARBONATE SHEET

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0205.09

Expiration Date 08/27/2027

By 
Miami-Dade Product Control

GP- GENERAL PURPOSE
SL- SIGN GRADE ENHANCED UV PROTECTION
UV- HIGH OPTICAL QUALITY ENHANCED UV PROTECTION
AR- ABRASION AND UV RESISTANT
15- ABRASION AND LONG TERM UV RESISTANT
EX- BLAST RESISTANT
SK1- SKYLIGHT SMOOTH OR PRISMATIC FINISH
SK- SKYLIGHT SMOOTH OR PRISMATIC FINISH
CA- CLASS A FIRE RATED, ENHANCED UV PROTECTION

POLYCARBONATE SHEETS CAN BE CLEAR OR COLORED
WITH POLISHED, MATTE OR TEXTURED SURFACES.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH EDITION) FLORIDA
BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

PRODUCT DESCRIPTION:

POLYCARBONATE SHEETS ARE EXTRUDED FROM POLYCARBONATE
RESINS WITH PRIMARY USE AS GLAZING FOR WINDOWS, SKYLIGHTS
AND LIGHT TRANSMITTING SYSTEMS.
STANDARD SIZES ARE UPTO 120" LONG AND 96" WIDE.
CUSTOM SIZES ARE ALSO AVAILABLE.

TUFFAK POLYCARBONATE MATERIAL COMPLIES WITH THE REQUIREMENTS
OF THE 2023 (8TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH
VELOCITY HURRICANE ZONE (HVHZ).

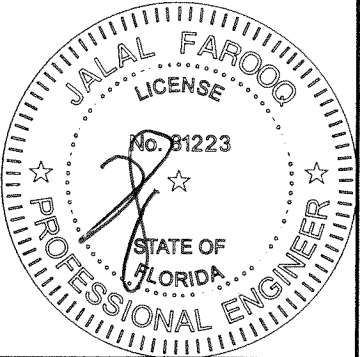
TUFFAK GP REPRESENTS THE UNCOATED POLYCARBONATE SHEET
AND IS APPROVED FOR USE IN EXTERIOR APPLICATIONS WITHOUT
THE UV PROTECTIVE COATING.
TUFFAK GP ALSO INCLUDES:
OP, GP MATTE, GP PEBBLE, GP PRISMATIC AND GP SATIN.

ACCELERATED WEATHERING TESTING CONDUCTED PER ASTM D638 ON
TUFFAK GP WITHOUT UV PROTECTIVE COATING.
SHALL QUALIFY THE FOLLOWING:

TUFFAK SL
TUFFAK UV
TUFFAK AR
TUFFAK 15
TUFFAK EX
TUFFAK SK1
TUFFAK SK
TUFFAK CA

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 FLORIDA BLDG. CODE.



APR 15 2024

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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

GLAZING\G08-01

POLYCARBONATE SHEETS

PLASKOLITE, LLC

119 Salisbury Road

Sheffield, MA. 01257

Tel. (413) 229-7811 Fax. (413) 229-8717

revisions:

no	date	by	description
G	02.26.18	REV. PER RER	COMMENTS
H	08.27.18	MANUF. NAME	REVISED
I	10.20.20	UPDATED TO	2020 FBC
J	11.06.23	CA-UV ADDED	
K	04.15.24	SL-UV THK. REV.	

date: 09-12-08

scale: -

dr. by: TARIQ

chk. by:

drawing no.

G08-01

sheet 1 of 1