

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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) **BOARD AND CODE ADMINISTRATION DIVISION**

NOTICE OF ACCEPTANCE (NOA)

SABIC Innovative Plastics US LLC 1 Plastics Avenue Pittsfield, MA 01201

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: Lexan® Polycarbonate Sheet Products

APPROVAL DOCUMENT: Drawing No.23-64421, titled "Lexan® Sheet Products", sheets 1 and 4 of 4, dated 03/29/22 and last revised on 02/14/2024, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, 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.

LIMITATION: 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 company's name or logo, "MDCA" standing for "Miami-Dade County Approved" and the location of the manufacturing plant in Mt. Vernon, IN or Long Sault, Ontario, Canada. The fabricator producing the polycarbonate sheets shall apply this mark.

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 # 21-1109.01 and consists of this page, 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 Ishaq I. Chanda, P.E.

Ishaq 1. Chanda

NOA No: 24-0117.13 **Expiration Date: April 1, 2026** Approval Date: February 22, 2024

Page 1



1. Evidence submitted under previous NOAs

A. DRAWING "Submitted under NOA # 15-0915.08"

1. Drawing No. 13-2444, titled "Lexan® Sheet Products", sheets 1 and 2 of 2, dated 08/08/2013, with last revision dated 05/27/2015, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TEST REPORTS "Submitted under NOA # 07-0212.01"

	Laboratory Report	<u>Test</u>	Date	Signature
1.	SGS 548643-01	ASTM D 635	03/01/06	J. Lomash
2.	SGS 548643-02	ASTM D 2843	03/01/06	J. Lomash
3.	SGS 548643-03	ASTM D 1929	03/01/06	J. Lomash
4.	SGS 494881-04	ASTM D 635	01/06/06	J. Lomash
5.	SGS 494881-05	ASTM D 635	01/06/06	J. Lomash
6.	SGS 548643-06	ASTM D 635	03/10/06	J. Lomash
7.	SGS 548643-07	ASTM D 1929	03/10/06	J. Lomash
8.	SGS 494881-07	ASTM D 2843	01/10/06	J. Lomash
9.	SGS 548643-09	ASTM D 2843	03/10/06	J. Lomash
10.	SGS 548643-10	ASTM D 1929	03/10/06	J. Lomash
11.	SGS 548643-11	ASTM D 2843	03/10/06	J. Lomash
12.	SGS 548643-12	ASTM D 2843	03/10/06	J. Lomash
13.	SGS 548643-13	ASTM D 635	03/10/06	J. Lomash
14.	SGS 548643-14	ASTM D 2843	03/10/06	J. Lomash
15.	ETL 3073590	ASTM D638, G26 & G155	11/04/05	C. Lawson

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

None.

F. STATEMENTS "Submitted under NOA # 15-0915.08"

1. Statement letters of code conformance to 5th edition (2014) FBC and of no financial interest issued by Engineering Express, both dated 05/27/2015 and signed and sealed by Frank L. Bennardo, P.E.

"Submitted under NOA # 07-0212.01"

- 2. Drawing No. 13-SIP-01 statement of code conformance to 2010 FBC issued by Engineering Express, dated 10/18/2013, signed and sealed by Frank L. Bennardo, P.E.
- 3. Statement letter of no financial interest issued by Engineering Express, dated 09/09/2013, signed and sealed by Frank L. Bennardo, P.E.

Ishay I. Chank

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 24-0117.13
Expiration Date: April 1, 2026
Approval Date: February 22, 2024

2. Evidence submitted under NOA # 18-0207.07

A. DRAWING

1. Drawing No. 21-36332, titled "Lexan® Sheet Products", sheets 1 and 2 of 2, dated 08/08/2013, with last revision dated 01/29/2021, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TEST REPORTS

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 letters of code conformance to the 7th Edition (2020) of the FBC issued by Engineering Express, dated 01/29/2021, signed and sealed by Frank L. Bennardo, P.E.
- 2. Statement letter of no financial interest issued by Engineering Express, dated 01/29/2021, signed and sealed by Frank L. Bennardo, P.E.
- 3. Project Proposal Quote No. Qu-01157771-0 to perform verification testing per ASTM D635 and ASTM D2843 issued by Intertek, dated 03/10/2021, prepared by Mohamad-Nawaf Taleb.
- **4.** Project Proposal Quote No. **Qu-01157765-0** to perform verification testing per ASTM D635 and ASTM D2843 issued by Intertek, dated 03/10/2021, prepared by Mohamad-Nawaf Taleb.

Ishay I. Chanle

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No 24-0117.13
Expiration Date: April 1, 2026
Approval Date: February 22, 2024

3. Evidence submitted under previous approval

A. DRAWING

1. Drawing No.21-36332, titled "Lexan® Sheet Products", sheets 1 and 4 of 4, dated 08/08/2013, with last revision dated 03/29/2022, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.

B. TEST REPORTS

	Test Report	Standard	Date	Seal and Signature
1.	104629547-001A R1	ASTM D635-18	05/20/2021	Vinu J. Abraham, P.E.
2.	104629547-0018 R1	ASTM D635-18	05/20/2021	Vinu J. Abraham, P.E.
3.	104629547-001C R1	ASTM D635-18	05/20/2021	Vinu J. Abraham, P.E.
4.	104629547-001D R1	ASTM D635-18	05/20/2021	Vinu J. Abraham, P.E.
5.	104629547-001E R1	ASTM D635-18	05/20/2021	Vinu J. Abraham, P.E.
6.	104629426COQ-001 R0	ASTM D635-18	05/31/2021	Vinu J. Abraham, P.E.
7.	104973052COQ-001 R0	ASTM D635-18	02/28/2022	Vinu J. Abraham, P.E.
8.	104210251COQ-001A R0	ASTM D1929-16	02/26/2020	Vinu J. Abraham, P.E.
9.	104210251 COQ-001B R0	ASTM D1929-16	02/26/2020	Vinu J. Abraham, P.E.
10.	104210251 COQ-001C R0	ASTM D1929-16	02/26/2020	Vinu J. Abraham, P.E.
11.	104210251COQ-001D R0	ASTM D1929-16	04/07/2020	Vinu J. Abraham, P.E.
12.	104210251COQ-001E R0	ASTM D1929-16	04/09/2020	Vinu J. Abraham, P.E.
13.	104631983MID-001	ASTM D2843-19	05/06/2021	Vinu J. Abraham, P.E.
14.	104632129MID-001A	ASTM D2843-19	05/06/2021	Vinu J. Abraham, P.E.
15.	104632129MID-001B	ASTM D2843-19	05/06/2021	Vinu J. Abraham, P.E.
16.	104632129MID-001C	ASTM D2843-19	05/06/2021	Vinu J. Abraham, P.E.

C. CALCULATIONS

1. None.

Ishay I. Chanse

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- 1. Statement letters of code conformance to the 7th Edition (2020) of the FBC, issued by Engineering Express, dated 11/11/2021, signed and sealed by Frank L. Bennardo, P.E.
- 2. Statement letter of no financial interest issued by Engineering Express, dated 11/11/2021, signed and sealed by Frank L. Bennardo, P.E.
- **3.** Distributor agreement dated 01/13/2022.

Ishaq I. Chanle

SABIC Innovative Plastics US LLC

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

4. New Evidence submitted

- A. DRAWING
 - 1. Drawing No.23-64421, titled "Lexan® Sheet Products", sheets 1 and 4 of 4, dated 03/29/22and last revised on 02/14/2024, prepared by Engineering Express, signed and sealed by Frank L. Bennardo, P.E.
- B. TEST
 - 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 (Note: items 2-4 submitted under previous approval)
 - 1. Statement letters of code conformance to the 8th Edition (2023) of the FBC, issued by Engineering Express, dated 12/20/2023, signed and sealed by Frank L. Bennardo, P.E.
 - 2. Statement letters of code conformance to the 7th Edition (2020) of the FBC, issued by Engineering Express, dated 11/11/2021, signed and sealed by Frank L. Bennardo, P.E.
 - 3. Statement letter of no financial interest issued by Engineering Express, dated 11/11/2021, signed and sealed by Frank L. Bennardo, P.E.
 - **4.** Distributor agreement dated 01/13/2022.
- G. OTHER
 - 1. This NOA revises NOA No. 21-1109.01, expiring 04/01/26.

Ishaq I. Chanda

LEXAN® POLYCARBONATE SHEET PRODUCTS

MATERIAL PROPERTIES



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1 LEXAN L VERNON, IN (812) 831-

FEBRUARY 14, 2024

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EET PRODUCTS TH EDITION (2023) ACCEPTANCE (NOA

LEXAN® POLYCARBONATE SHEFI FLORIDA BUILDING CODE EIGHTH MIAMI-DADE COUNTY NOTICE OF A

TABLE 1:

1A: LEXAN® 9030, 9034 BURNING CHARACTERISTICS

DESCRIPTION	TESTING STANDARD		LEXAN® 9	030, 9034	
	STANDARD	0.030 in (MIN.)	0.060 in (MIN.)	0.080 in (MIN.)	0.500 in (MIN.)
SELF-IGNITION	ASTM D-1929	1020° F	1016° F	1007° F	1113° F
FLASH-IGNITION	ASTM D-1929	880° F	885° F	865° F	919° F
AVG. BURNING TIME	ASTM D-635***				
AVG. EXTENT OF BURNING	ASTM D-635***				
BURNING RATE	ASTM D-635***	0 mm/min	0 mm/min	0 mm/min	
BURNING RATE CLASS	ASTM D-635***	CC1	CC1	CC1	CC1

TABLE 1:

1B: LEXAN® MR10 BURNING CHARACTERISTICS

DESCRIPTION	TESTING STANDARD		MR	10	
	STANDARD	0.060 in (MIN.)	0.080 in (MIN.)	0.125 in (MIN.)	0.500 in (MIN.)
SELF-IGNITION	ASTM D-1929	1014° F*	1014° F*	980° F	1004° F
FLASH-IGNITION	ASTM D-1929	784° F*	784° F*	780° F	808° F
AVG. BURNING TIME	ASTM D-635***			25 sec	50 sec
AVG. EXTENT OF BURNING	ASTM D-635***			10.0 mm	20.0 mm
BURNING RATE	ASTM D-635***		0 mm/min		
BURNING RATE CLASS	ASTM D-635***	CC1	CC1	CC1	CC1

TABLE 1 NOTES:

- 1. INDICATES VALUES THAT ARE NOT REPORTED AS PART OF THIS CERTIFICATION.
- 2. *ASTM D-1929 TEST IS BASED ON FORM OF MATERIAL AND MASS. THEREFORE, ONLY ONE TEST IS REQUIRED FOR A GROUP OF SIMILAR MATERIALS.
- ***ASTM D-635: UNLESS REPORTED OTHERWISE BY ADDITIONAL TESTING, ALL GAUGES BETWEEN MINIMUM & MAXIMUM THICKNESSES WILL BE APPROVED FOR THE SAME BURNING RATE CLASS OF THE THINNER PRODUCT.

GENERAL NOTES

THIS LEXAN® POLYCARBONATE MATERIAL COMPLIES WITH THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) AND IS INTENDED FOR USE WITHIN AND OUTSIDE OF THE HIGH VELOCITY HURRICANE ZONE.

THIS DOCUMENT IS INTENDED FOR MATERIAL COMPLIANCE CERTIFICATION. ANY SPECIFIC USE OF THE MATERIALS, SPECIFIED WITHIN THIS DOCUMENT, AS A BUILDING COMPONENT SHALL REQUIRE A SPECIFIC APPROVAL DESIGNATING THE APPLICABLE

THIS DOCUMENT IS INTENDED FOR USE BY A LICENSED ENGINEER, ARCHITECT OR DESIGN PROFESSIONAL OF WHOM SHALL DETERMINE THE APPROPRIATE APPLICATION. ACCELERATED WEATHERING TESTING CONDUCTED PER ASTM G-26 ON LEXAN® 9034

AND LEXAN® THERMOCLEAR WITH STANDARD LIGHT TRANSMISSION INDEXES LEXAN® 9034 REPRESENTS THE UNCOATED POLYCARBONATE SHEET AND IS APPROVED

FOR USE IN EXTERIOR APPLICATIONS WITHOUT THE UV PROTECTIVE COATING.

LEXAN® 9034 SHEETS SHALL QUALIFY THE FOLLOWING: LEXAN® 9030, BOTH SURFACES ARE SMOOTH

LEXAN® 90318, PEBBLE FLINT-SHOT TEXTURE

LEXAN® 90316, PRISMATIC SURFACE

LEXAN® 90317, PRISMATIC SURFACE
LEXAN® 90317, PRISMATIC SURFACE
LEXAN® 90311, HAIRCELL/COB GLAZING SURFACE TEXTURE
LEXAN® 90314 HIGH GLOSS MATTE SURFACE TEXTURE
LEXAN® 90355 VELVET/F-SHOT LOW GLOSS SURFACE TEXTURE

MR10 SHEETS UTILIZE LEXAN® 9034 AS A BASE PRODUCT AND ARE APPROVED FOR

XL102UV SHEETS UTILIZE LEXAN® 9034 AS A BASE PRODUCT AND ARE APPROVED FOR

LEXAN® XL102UV SHEET SHALL QUALIFY THE FOLLOWING SIGN GRADES:

LEXAN® SGC100, SMOOTH SURFACES

LEXAN® SGC308, MATTE SURFACE TEXTURE

LEXAN® SGC404, MISCELLANEOUS COLORS

LEXAN® SGC410

7.1.5. LEXAN® SGC510

LEXAN® SGC510D

LEXAN® EXTRITE-1 SHEETS UTILIZE LEXAN® 9034 AS A BASE PRODUCT AND ARE APPROVED FOR EXTERIOR USE.

LEXAN® THERMOCLEAR SHEETS ARE MULTI-WALL POLYCARBONATE PLASTIC SHEETS OF LEXAN® RESIN MANUFACTURED BY SABIC INNOVATIVE PLASTICS.
FOR EXTERNAL APPLICATIONS, MINIMUM THICKNESS SHALL BE 0.033 IN FOR SHEETS AND 6mm FOR MULTI-WALLED APPLICATIONS.

ENGINEER SEAL AFFIXED HERE TO VALIDATES MATERIAL COMPLIANCE ONLY. USE OF THIS SPECIFICATION BY MANUFACTURERS, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.

12. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

ALTERATIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

> **PRODUCT REVISED** as complying with the Florida Building Code NOA-No. 24-0117.13 Expiration Date 04/01/2026

Ishag 1. Chands

Miami-Dade Product Control

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23-64421

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TABLE 2:

LEXAN® 9034, XL102UV, MR10 SMOKE DENSITY

DESCRIPTION	TESTING STANDARD		LEXAN® 9034		XL10)2UV		MR10	
	STANDARD	0.118 in	0.125 in	0.225 in	0.093 in	0.500 in	0.118 in	0.125 in	0.500 in
CMOKE DENCITY	ASTM D-2843	63.4%	64.5%	69.1%	73.2%	68.7%	62.1%	67.0%	69.8%
SMOKE DENSITY	ASTM E-84								

TABLE 2 NOTES:

1. INDICATES VALUES THAT ARE NOT REPORTED AS PART OF THIS CERTIFICATION.

TABLE 3:

LEXAN® XL102UV BURNING CHARACTERISTICS

	TESTING	XL102UV							
DESCRIPTION	STANDARD	0.080 in (MIN.)	0.093 in (MIN.)	0.118 in (MIN.)	0.177 in (MIN.)	0.236 in (MIN.)			
SELF-IGNITION	ASTM D-1929	1182° F* (3 g)	1042° F* (3 g)						
FLASH-IGNITION	ASTM D-1929	962° F* (3 g)	844° F* (3 g)						
AVG. BURNING TIME	ASTM D-635***								
AVG. EXTENT OF BURNING	ASTM D-635***								
BURNING RATE	ASTM D-635***		0 mm/min						
BURNING RATE CLASS	ASTM D-635***	CC1	CC1	CC1	CC1	CC1			
SMOKE DENSITY	ASTM D-2843	0.25 in	0.25 in	0.118	0.25 in	0.25 in			
SMOKE DENSITY	A31M D-2043	60.5%**	60.5%**	63.9%	60.5%**	60.5%**			

TABLE 3 NOTES:

- INDICATES VALUES THAT ARE NOT REPORTED AS PART OF THIS CERTIFICATION.
- *ASTM D-1929 TEST IS BASED ON FORM OF MATERIAL AND MASS. THEREFORE, ONLY ONE TEST IS REQUIRED FOR GROUP OF SIMILAR MATERIALS.
- **ASTM D-2843 TEST IS APPROXIMATELY 1" \times 1" \times 1/4" THICKNESS. THEREFORE, UNLESS REPORTED OTHERWISE BY ADDITIONAL TESTING, ONE TEST QUALIFIES ALL THICKNESSES OF A GROUP OF SIMILAR PRODUCTS.
- 4. ***ASTM D-635 ALL GAUGES BETWEEN MINIMUM & MAXIMUM THICKNESSES WILL BE APPROVED FOR THE SAME BURNING RATE CLASS OF THE THINNER PRODUCT.

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 24-0117.13

Expiration Date 04/01/2026

By Ishag I. Chank

Miami-Dade Product Control

1 LEXAN LANE MOUNT VERNON, INDIANA 47620 (812) 831-4277 SABIC INNOVATE PLASTICS,

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LEXAN® POLYCARBONATE SHEET PRODUCTS FLORIDA BUILDING CODE EIGHTH EDITION (2023) MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NO.

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TABLE 4:

LEXAN® 9034 / COGC08 CORRUGATED, LEXAN® MULTI-WALL TENSILE PROPERTIES

	TESTING	LEXAN® COGC08 CC	9034 / DRRUGATED	LEXAN® MULTI-WALL	
DESCRIPTION	STANDARD	the many contract of the		6 mm	
		MD	CD	O IIIIII	
TENSILE STRENGTH BEFORE WEATHERING	ASTM D-638	8940 psi	8730 psi	9326 psi	
TENSILE STRENGTH AFTER WEATHERING	ASTM D-638	8880 psi	8920 psi	8618 psi	
PERCENT DIFFERENCE	ASTM D-635	-0.7%	2.1%	-7.6%	

TABLE 4 NOTES:

- *LEXAN® MULTI-WALL SHEET PRODUCTS ENCOMPASS MANY CONFIGURATIONS (FROM TWIN WALL TO 9X WALL) AND THICKNESSES (FROM 6 mm TO 50 mm). GRADE NAMES AND DESCRIPTIONS INCLUDED IN THIS CERTIFICATION FOR MULTI-WALL SHEET PRODUCTS INCLUDE:
- LEXAN® THERMOCLEAR™ AND VEROLITE™ (THICKNESS RANGE: 6 mm 50 mm)
- LEXAN® LEXAPANELTM: A 20 mm THICK THERMOCLEARTM GRADE WITH WITH A STANDING SEAM EDGE PROFILE.
- LEXAN® THERMOCLICK™: A 40 mm & 50 mm THICK THERMOCLEAR™ GRADE WITH A CLICK EDGE PROFILE.
- 2. FURTHER GRADE NAMES AND MODEL NUMBERS ARE ALSO APPLICABLE SO LONG AS THEY COMPLY WITH THE DESCRIPTIONS AND SPECIFICATIONS PROVIDED HEREIN.

PRODUCT REVISED as complying with the Florida Building Code NOA-No. <u>24-0117.13</u> Expiration Date 04/01/2026

Ishaq 1. Chands Miami-Dade Product Control

TABLE 5: LEXAN® EXTRITE-1 BURNING & SMOKE DENSITY CHARACTERISTICS

DESCRIPTION	TESTING		LEXAN® E	EXTRITE-1	
	STANDARD	3 mm	4 mm	5 mm	6 mm
SELF-IGNITION	ASTM D-1929	1027° F	1024° F	1002° F	1006° F
FLASH-IGNITION	ASTM D-1929	855° F	817° F	826° F	829° F
AVG. BURNING TIME	ASTM D-635***				
AVG. EXTENT OF BURNING	ASTM D-635***				
BURNING RATE	ASTM D-635***	0 mm/min			
BURNING RATE CLASS	ASTM D-635***	CC1	CC1	CC1	CC1
CMOVE DENCITY	ASTM D-2843	62.8%**	62.8%**	62.8%**	62.8%**
SMOKE DENSITY	ASTM E-84				

TABLE 5 NOTES:

- INDICATES VALUES THAT ARE NOT REPORTED AS PART OF THIS CERTIFICATION.
- 2. **ASTM D-2843 TEST IS APPROXIMATELY 25 mm x 25 mm x 3 mm THICKNESS. THEREFORE, ONE TEST QUALIFIES ALL THICKNESSES OF A GROUP OF SIMILAR PRODUCTS.
- ***ASTM D-635 ALL GAUGES BETWEEN MINIMUM & MAXIMUM THICKNESSES WILL BE APPROVED FOR THE SAME BURNING RATE CLASS OF THE THINNER PRODUCT.

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LEXAN® POLYCARBONATE SHEET PRODUCTS FLORIDA BUILDING CODE EIGHTH EDITION (2023) MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NO.

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TABLE 6 NOTES:

- INDICATES VALUES THAT ARE NOT REPORTED AS PART OF THIS CERTIFICATION.
- *ASTM D-1929 TEST IS BASED ON FORM OF MATERIAL AND MASS. THEREFORE, ONLY ONE TEST IS REQUIRED FOR A GROUP OF SIMILAR MATERIALS.
- 3. **ASTM D-2843: ONE TEST QUALIFIES ALL THICKNESSES OF A GROUP OF SIMILAR PRODUCTS.

TABLE 6: 6A: LEXAN® MULTI-WALL SHEET BURNING & SMOKE DENSITY CHARACTERISTICS

- ***ASTM D-635 ALL GAUGES BETWEEN MINIMUM & MAXIMUM THICKNESSES WILL BE APPROVED FOR THE SAME BURNING RATE CLASS OF THE THINNER PRODUCT.
- *LEXAN® MULTI-WALL SHEET PRODUCTS ENCOMPASS MANY CONFIGURATIONS (FROM TWIN WALL TO 9X WALL) AND THICKNESSES (FROM 6 mm TO 32 mm). GRADE NAMES AND DESCRIPTIONS INCLUDED IN THIS CERTIFICATION FOR MULTI-WALL
- 5.1. LEXAN® THERMOCLEAR™ AND VEROLITE™ (THICKNESS RANGE: 6 mm 32 mm)
- LEXAN® LEXAPANEL™: A 20 mm THICK THERMOCLEAR™ GRADE WITH A STANDING SEAM EDGE PROFILE.
- 6. FURTHER GRADE NAMES AND MODEL NUMBERS ARE ALSO APPLICABLE SO LONG AS THEY COMPLY WITH THE DESCRIPTIONS AND SPECIFICATIONS PROVIDED HEREIN.



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1 LEXAN LANE MOUNT VERNON, INDIANA 4' (812) 831-4277

INNOVATE PLASTICS, SABI(

Miami-Dade Product Control

DESCRIPTION	TESTING	LEXAN® MULTI-WALL SHEET PRODUCTS*								
	STANDARD	4.5 mm		6 mm		8 mm		10	10 mm	
SELF-IGNITION	ASTM D-1929*	1110° F		111	0° F	1110° F		1110° F		
FLASH-IGNITION	ASTM D-1929*	940° F		940)° F	940)° F	940)° F	
ACROSS OR ALONG RIB?		ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	ACROSS RIB	ALONG RIB	
AVG. BURNING TIME	ASTM D-635***	10 sec	60 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	< 5 sec	
AVG. EXTENT OF BURNING	ASTM D-635***	5 mm	35 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	< 5 mm	
BURNING RATE	ASTM D-635***									
BURNING RATE CLASS	ASTM D-635***	CC1	CC2	CC1	CC1	CC1	CC1	CC1	CC1	
CMOKE DENCITY	ASTM D-2843**	73.	73.6%		73.6%		73.6%		73.6%	
SMOKE DENSITY	ASTM E-84	3	35		70		70		100	
FLAME SPREAD	ASTM E-84	ī	5	ī	5 5		5	5		

TABLE 6: 6B: LEXAN® MULTI-WALL SHEET BURNING & SMOKE DENSITY CHARACTERISTICS, CONTINUED

DESCRIPTION	TESTING			LEXAN® MULTI	-WALL SHEET PRO	DUCTS*		
	STANDARD	16 mm		20	20 mm		25 mm	
SELF-IGNITION	ASTM D-1929*	1110° F		1110° F		1110° F		1110° F
FLASH-IGNITION	ASTM D-1929*	940	° F	940	940° F)° F	940° F
ACROSS OR ALONG RIB?		ACROSS RIB	ACROSS RIB ALONG RIB		ALONG RIB	ACROSS RIB	ALONG RIB	
AVG. BURNING TIME	ASTM D-635***	< 5 sec	< 15 sec	85 sec	95 sec	110 sec	125 sec	60 sec
AVG. EXTENT OF BURNING	ASTM D-635***	< 5 mm	< 5 mm			45 mm	55 mm	10 mm
BURNING RATE	ASTM D-635***			53.80 mm/min	47.90 mm/min	39.40 mm/min		
BURNING RATE CLASS	ASTM D-635***	CC1	CC1	CC2	CC2	CC2	CC2	
CMOKE DENCITY	ASTM D-2843**	73.6	73.6%		73.6%		73.6%	
SMOKE DENSITY	ASTM E-84	<4!	<450				275	
FLAME SPREAD	ASTM E-84	55	5			12	120	

PRODUCT REVISED as complying with the Florida Building Code NOA-No. 24-0117.13 Expiration Date 04/01/2026

Ishaq I. Chands

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23-64421 SCALE: NTS UNLESS NOTE