



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

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Kuraray America, Inc.
3700 Bay Area Blvd., Ste. 680
Houston, TX 77058

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: SentryGlas® (Clear and White) Glass Interlayer

APPROVAL DOCUMENT: Drawing No. **G15-02 Rev C**, titled “Kuraray SentryGlas® Interlayer”, sheet 1 of 1, dated 05/13/15 and last revised on JUL 11, 2023, 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: Laminated lites under this Product Approval shall be permanently marked in a corner of the glass with: “MDCA- SentryGlas®”, standing for “Miami-Dade County Approved – SentryGlas®”, and the laminator’s identification mark. These marks shall be applied by the individual laminator producing the finished laminated glass product containing the White SentryGlas® interlayer. The laminate’s or interlayer’s packaging is to identify the manufacturer’s name or logo, manufacturing plant’s city and state, and the statement reading ‘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 **revises NOA No. 22-1116.01** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

Ishaq I. Chanda



NOA No. 23-0717.30
Expiration Date: July 4, 2028
Approval Date: August 31, 2023
Page 1

Kuraray America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Drawing No. **G15-02**, titled "Kuraray SentryGlas® Interlayer", sheet 1 of 1, dated 05/13/15, with revision B dated 08/24/20, prepared by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-0915.19)

B. TESTS

	<u>Test Report</u>	<u>Test Standard</u>	<u>Date</u>	<u>Signature</u>
1.	96177.02-106-18	ASTM D 635	02/22/10	Joseph A. Reed, P.E.
2.	96177.02-106-18	ASTM D1929	02/22/10	Joseph A. Reed, P.E.
3.	96177.02-106-18	ASTM D2843	02/22/10	Joseph A. Reed, P.E.
	<i>(Submitted under NOA No. 10-0413.04) (Clear SentryGlas® Interlayer)</i>			
4.	3136116SAT-001	ASTM D 635	10/25/07	Chris Bowness, P.E.
5.	3111755SAT-002	ASTM D1929	01/02/07	Chris Bowness, P.E.
6.	3111755SAT-001	ASTM E 84	12/19/06	Chris Bowness, P.E.
7.	PRI06246	ASTM G 26	06/26/07	Duc T. Nguyen, P.E.
8.	PRI06246	ASTM D 790	06/26/07	Duc T. Nguyen, P.E.
	<i>(Submitted under NOA No. 07-1116.04) (Clear SentryGlas® Interlayer)</i>			
9.	B7882.01-106-18	ASTM D1929	02/26/13	Gary T. Hartman, P.E.
10.	B7882.01-106-18	ASTM D 635	02/26/13	Gary T. Hartman, P.E.
11.	B7882.01-106-18	ASTM D 2843	02/26/13	Gary T. Hartman, P.E.
12.	B7882.01-106-18	ASTM G 155	02/26/13	Gary T. Hartman, P.E.
13.	B7882.01-106-18	ASTM C 158	02/26/13	Gary T. Hartman, P.E.
	<i>(Submitted under NOA No. 13-0328.09) (White SentryGlas® Interlayer)</i>			

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

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

E. MATERIAL CERTIFICATIONS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.30
Expiration Date: July 4, 2028
Approval Date: August 31, 2023

Kuraray America, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)

F. STATEMENTS

1. Statement letter of code conformance to the **FBC 6th Edition (2017)** and **7th Edition (2020)** and of no financial interest issued by Al-Farooq Corporation, dated 09/01/2020, signed and sealed by Jalal Farooq, P.E.
(Submitted under NOA No. 20-0915.19)
2. Purchase agreement between E.I. DuPont De Nemours and Co. and Kuraray Co., LTD., dated May 22, 2014.
(Submitted under NOA No. 14-0916.11)

G. OTHERS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 12/28/17, expiring on 07/04/23.

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. None.

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 conformance, complying with **FBC 7th Edition (2020)** and of no financial interest, dated November 10, 2022, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.

G. OTHERS

1. Notice of Acceptance No. **20-0915.19** issued to **Kuraray America, Inc.** for their **"SentryGlas® (Clear and White) Glass Interlayers"** dated 11/19/20, expiring on 07/04/23.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.30
Expiration Date: July 4, 2028
Approval Date: August 31, 2023

NOTICE OF ACCEPTANCE: EVIDENCE PAGE

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **G15-02 Rev C**, titled “Kuraray SentryGlas® Interlayer”, sheet 1 of 1, dated 05/13/15 and last revised on JUL 01, 2023, 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 8th edition (2023) FBC, issued by Al-Farooq Corporation, dated 07/14/2023, signed and sealed by Jalal Farooq, P.E.
2. Statement letter of conformance, complying with **FBC 7th Edition (2020)** and of no financial interest, dated November 10, 2022, issued by Al-Farooq Corporation, signed and sealed by Jalal Farooq, P.E.
3. Letter stating that all of the assets from Spallshield and Butacite used for the tests which were the basis for obtaining the NOA, have been sold to Kuraray, and DuPont no longer manufactures those two product lines and the NOA # **10-0819.04** and NOA # **13-0129.27** be rescinded and releases its rights to Kuraray, dated 08/05/2014 and signed by Kurt Adams.

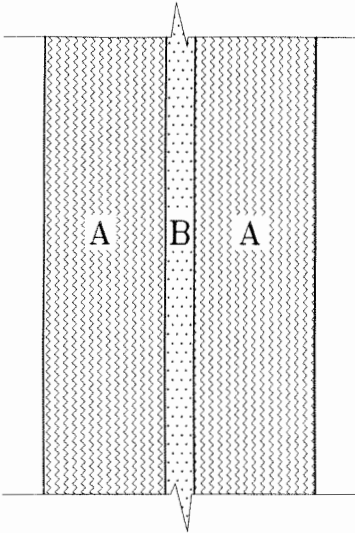
G. OTHERS

1. This NOA revises NOA No. **22-1116.01**, updates to the FBC 2023, expiring **07/04/2028**.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 23-0717.30
Expiration Date: July 4, 2028
Approval Date: August 31, 2023

Kuraray SentryGlas® Interlayer



PRODUCT DESCRIPTION:

MANUFACTURED BY: Kuraray America Inc.

A PLASTIC INTERLAYER MATERIAL FOR LAMINATION WITH GLASS ON BOTH SIDES.

A TYPICAL GLAZING IS MADE OF THE FOLLOWING COMPONENTS.

A – MIN. 1/8" (3.0 mm) ANNEALED GLASS
B – MIN. .030 (.76 mm) KURARAY SENTRYGLAS® INTERLAYER
A – MIN. 1/8" (3.0 mm) ANNEALED GLASS

MATERIAL PROPERTIES

SentryGlas® Interlayer (Clear and White)

TEST DESCRIPTION	TEST METHOD	TEST RESULTS
FLAME SPREAD INDEX [2]	ASTME84	35
SMOKE DEVELOPED INDEX [2]	ASTME84	250
RATE OF BURNING [3]	ASTM D635	0 IN/MIN., CLASS CC1
AVERAGE EXTENT OF BURNING [1]	ASTM D635	0 IN/MIN., CLASS CC1
AVERAGE EXTENT OF BURNING [2]	ASTM D635	0 IN/MIN., CLASS CC1
AVERAGE SMOKE DENSITY RATING [3]	ASTM 2843	5.9
FLASH IGNITION TEMP. [1]	ASTM D1929	788°F
FLASH IGNITION TEMP. [2]	ASTM D1929	752°F
SELF IGNITION TEMP. [1]	ASTM D1929	806°F
SELF IGNITION TEMP. [2]	ASTM D1929	770°F
AVERAGE MODULUS OF RUPTURE [1]	ASTM D790	WEATHERING
WEATHERING AS PER THE FLORIDA BUILDING CODE		BEFORE AFTER
		5415 PSI 5366 PSI
AVERAGE MODULUS OF RUPTURE [3]	ASTM C158-02	WEATHERING (ASTM G 155-05A)
		BEFORE AFTER
		4692 PSI 4752 PSI
		AVERAGE CHANGE: +1.7%

- [1] .030" (.76mm) Thk. Clear SentryGlas® Interlayer
- [2] .130" (3.3mm) Thk. Clear SentryGlas® Interlayer
- [3] .062" (1.6mm) Thk. White SentryGlas® Interlayer

PRODUCT REVISED
as complying with the Florida Building Code

NOA-No. 23-0717.30

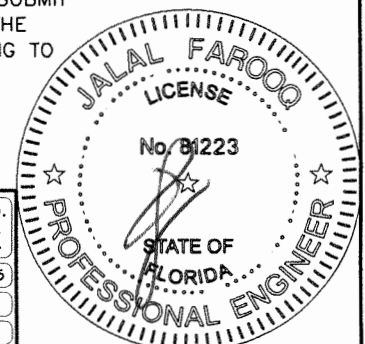
Expiration Date 07/04/2028

By Ishag I. Chank
Miami-Dade Product Control

NOTE:

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 NOA TO THE MIAMI-DADE COUNTY PRODUCT CONTROL SECTION AND SHALL SUBMIT TEST REPORTS AND OTHER REQUIRED DOCUMENTS SHOWING THAT THE SYSTEM USING THIS COMPONENT WILL RESIST THE LOADS ACCORDING TO CHAPTER 16 OF THE FLORIDA BLDG. CODE.

JUL 1 2023



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

Kuraray SentryGlas Interlayer
Kuraray America, Inc.
2625 Bay Area Blvd., Suite 600
Houston, TX. 77058
TEL. (910)678-1647 FAX. (910)678-1273

revisions:			drawing no.
no	date	description	G15-02
B	8.24.20	UPDATED TO 2020 FBC	date: 05-13-15
C	7.10.23	UPDATED TO 2023 FBC	scale: -
			sheet 1 of 1