

INOVUES, LLC.

TEST REPORT

SCOPE OF WORK

DUAL PANE INSULATING GLASS UNIT PERFORMANCE EVALUATION

REPORT NUMBER

I6409.01-801-28-R0

TEST DATE(S)

07/23/18 – 12/10/18

ISSUE DATE

12/18/18

RECORD RETENTION END DATE

12/18/22

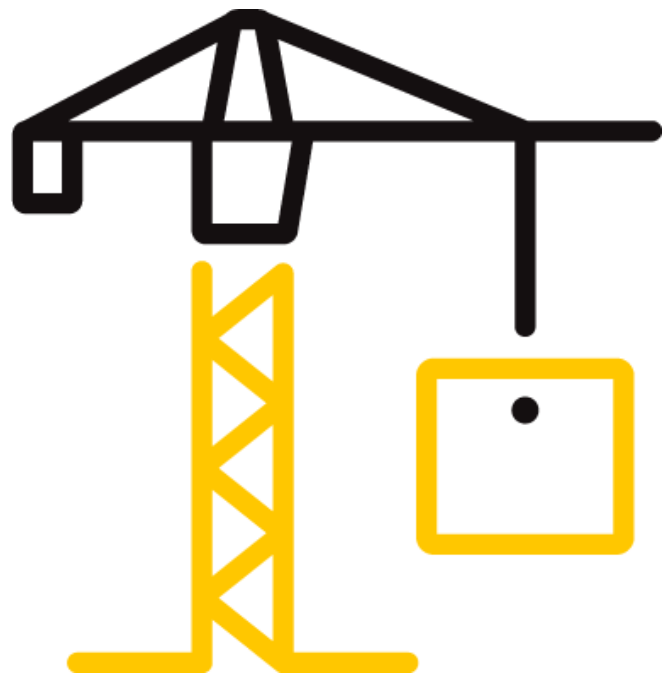
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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-2769 (05/17/18)

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TEST REPORT FOR INOVUES, LLC.

Report No.: I6409.01-801-28-R0

Date: 12/18/18

REPORT ISSUED TO

INOVUES, LLC.

2323 McCue Road

Houston, TX 77056

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Inovues, LLC. to evaluate the insulating glass performance of dual pane insulating glass units. The product descriptions and test results are reported herein. Results obtained are tested values and were secured by using the designated test methods. Testing was conducted at the Intertek B&C test facility in Plano, TX. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

SECTION 2

SUMMARY OF TEST RESULTS

	FROST POINT			
	HIGH HUMIDITY	ACCELERATED WEATHERING	HIGH HUMIDITY	VISIBLE DEPOSITS
REQUIREMENT	≤ -40	≤ -40	≤ -40	No Deposits
PASS/FAIL	Pass	Pass	Pass	Pass

For INTERTEK B&C:

COMPLETED BY: Allen Kipp

TITLE: Technician

SIGNATURE:

DATE: 12/18/18

AK:JW/cm

REVIEWED BY: John H. Waskow, P.E.

TITLE: Operations Manager

SIGNATURE:

DATE: 12/18/18

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SECTION 3

TEST METHODS

The specimens were evaluated in accordance with the following:

ASTM E546-14, *Standard Test Method for Frost/Dew Point of Sealed Insulating Glass Units*

ASTM E2188-10, *Standard Test Method for Insulating Glass Unit Performance*

SECTION 4

MATERIAL SOURCE

Test samples were provided by the manufacturer. The specimens were received on 07/06/18, in good condition and suitable for testing unless noted otherwise.

SECTION 5

SAMPLE RETENTION

Tested specimens will be retained for thirty (90) days from the report date. All specimens will be automatically discarded after the specified retention period is exhausted.

SECTION 6

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Allen Kipp	Intertek B&C

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SECTION 7

TEST SPECIMEN DESCRIPTION

Manufacturer: Inovues, LLC. – Houston, TX

Product / Reference No.: Unit 2 and Unit 7

Manufactured Date: N/A

Overall Size: 355mm x 505mm ± 6 mm

Glass Thickness: 6 mm (nominal)

Glass Type: Clear

Overall Thickness: 33mm (nominal)

Air Space: 12mm (nominal)

Spacer: N/A

Corners: N/A

Primary Sealant: N/A

Secondary Sealant: N/A

Desiccant: N/A

Muntins: N/A

Other Features: 1 inch square aluminum box tube around perimeter

Information obtained from: Manufacturer

SECTION 8

TEST RESULTS

ASTM E2188-10 Seal Durability Results

UNIT	FROST POINT TEST RESULTS (°C) PER ASTM E546-14			
	INITIAL	HIGH HUMIDITY (14 DAYS)	ACCELERATED WEATHERING (252 CYCLES)	HIGH HUMIDITY (28 DAYS)
2	<-51	<-51	<-51	-50
7	-45	<-51	<-51	-45
REQUIREMENT	N/A	≤ -40	≤ -40	≤ -40
PASS/FAIL	N/A	Pass	Pass	Pass
DATE	07/11/18 *08/20/18	08/07/18 *09/05/18	10/12/18 *11/10/18	11/10/18 *12/10/18

* Unit 7 test dates



Total Quality. Assured.

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SECTION 8

REVISION LOG

REVISION #	DATE	PAGES	REVISION
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