

# ACCURATE GLASS PRODUCTS TEST REPORT

**SCOPE OF WORK**

IMPACT TESTING ON TEMPERED TRANSPARENT SAFETY GLAZING MATERIAL

**REPORT NUMBER**

J4719.02-119-37

**TEST DATE(S)**

03/12/19

**ISSUE DATE**

03/20/19

**RECORD RETENTION END DATE**

03/12/23

**PAGES**

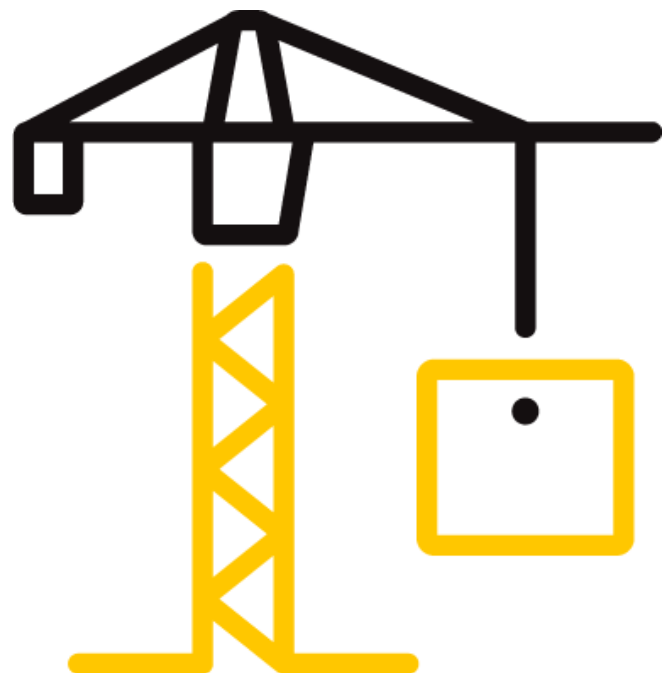
5

**DOCUMENT CONTROL NUMBER**

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## TEST REPORT FOR ACCURATE GLASS PRODUCTS

Report No.: J4719.02-119-37

Date: 03/20/19

### REPORT ISSUED TO

#### ACCURATE GLASS PRODUCTS

21 Patterson Road Unit #27

Barrie, Ontario, L4N 7W6 (Canada)

### SECTION 1

#### SCOPE

Intertek Building & Construction (B&C) was contracted by Accurate Glass Products - Barrie, Ontario, Canada to perform safety glazing impact testing in accordance with ANSI Z97.1, CAN/CGSB 12.1, and CPSC 16 CFR 1201 on their tempered transparent glass. 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 York, Pennsylvania. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.


### SECTION 2

#### SUMMARY OF TEST RESULTS

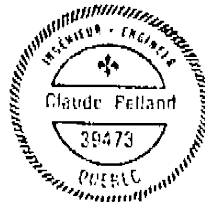
SPECIMEN NUMBER	1	2	3	4
RESULT (PASS/FAIL)	Pass	Pass	Pass	Pass

For INTERTEK B&C:

<b>COMPLETED BY:</b>	Todd M. Wilt	<b>REVIEWED BY:</b>	Virgal T. Mickley, Jr., P.E.
<b>TITLE:</b>	Lead Technician	<b>TITLE:</b>	Senior Staff Engineer
<b>SIGNATURE:</b>		<b>SIGNATURE:</b>	
<b>DATE:</b>	03/20/19	<b>DATE:</b>	03/20/19

<b>REVIEWED BY:</b>	Claude Pelland, P. Eng.
<b>TITLE:</b>	Project Engineer
<b>SIGNATURE:</b>	
<b>DATE:</b>	03/20/19

tmw:vtm/aas



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### SECTION 3

#### TEST METHOD(S)

The specimens were evaluated in accordance with the following:

**ANSI Z97.1-2015**, *For safety glazing materials used in buildings - safety performance specifications and methods of test*, American National Standard

**CAN/CGSB 12.1-2017**, *Safety Glazing*, National Standard of Canada

**CPSC 16 CFR 1201**, *Safety Standard for Architectural Glazing Materials*, Consumer Product Safety Commission (Version: 2012; Source: 42 FR 1441, Jan. 16, 1977)

### SECTION 4

#### MATERIAL SOURCE

Test samples were obtained from the manufacturer. The specimens were received on 02/28/19, in good condition and suitable for testing unless noted otherwise.

### SECTION 5

#### SAMPLE RETENTION

All test specimens were destroyed by test or by personnel and have been disposed of as trash. Representative sections of the failing samples will be retained for up to 30 days from the date of report issuance. After 30 days, representative samples will be automatically discarded.

### SECTION 6

#### LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Todd M. Wilt	Intertek B&C

### SECTION 7

#### TEST PROCEDURE

##### Overview

All specimens were impacted once from the select drop height unless noted otherwise. Specimens which were not broken after impact from the designated drop height were broken in accordance with the Center Punch Fragmentation Test per ANSI Z97.1-2015.

##### Drop Height Classification

All specimens were impacted once from a drop height of 48 inches.

DROP HEIGHT CLASSIFICATION			DROP HEIGHT
ANSI	CGSB	CPSC	
Class A	Class A	Category II	48 in.

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### SECTION 8

#### TEST SPECIMEN DESCRIPTION

**Manufacturer:** Accurate Glass Products - Barrie, Ontario, Canada

**Glazing Product Designation:** Prototype

**Overall Glazing Thickness:** 1/4" (nominal)

**Glazing Type:** Tempered Transparent Glass (TTG)

**Sample Dimensions:** Impact: 34" wide x 76" high ( $\pm 1/8"$ )

**Size Classification:** Unlimited

### SECTION 9

#### TEST RESULTS

**Lab Temperature:** 70°F

**Duration of Pre-Conditioning @ 65 - 85°F:** 24 Hours

#### Impact Test Results

SPECIMEN NUMBER	THICKNESS (inches)	TEST RESULTS (grams)	CENTER PUNCH (YES/NO)	ACCEPTANCE CRITERIA (grams)	RESULT (PASS/FAIL)
1	0.231	19	No	95	Pass
2	0.234	29	No	96	Pass
3	0.233	24	No	96	Pass
4	0.233	25	No	96	Pass

**Acceptance Criteria:** The 10 largest crack-free particles collected after specimen breakage shall weigh no more than 10 sq. in. of the original specimen.

### SECTION 10

#### CONCLUSION

The specimens meet the impact test requirements of the referenced standards for the size classification listed.



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### SECTION 11 REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	03/20/19	N/A	Original Report Issue