

ACCURATE GLASS PRODUCTS TEST REPORT

SCOPE OF WORK

IMPACT TESTING ON TEMPERED TRANSPARENT SAFETY GLAZING MATERIAL

REPORT NUMBER

J4719.05-119-37

TEST DATE(S)

03/12/19

ISSUE DATE

03/20/19

RECORD RETENTION END DATE

03/12/23

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TEST REPORT FOR ACCURATE GLASS PRODUCTS

Report No.: J4719.05-119-37

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

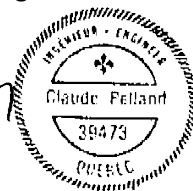
SUMMARY OF TEST RESULTS

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

For INTERTEK B&C:

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

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



tmw:vtm/aas

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TEST REPORT FOR ACCURATE GLASS PRODUCTS

Report No.: J4719.05-119-37

Date: 03/20/19

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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Report No.: J4719.05-119-37

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SECTION 8

TEST SPECIMEN DESCRIPTION

Manufacturer: Accurate Glass Products - Barrie, Ontario, Canada

Glazing Product Designation: Prototype

Overall Glazing Thickness: 1/2" (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	0.470	17	Yes	194	Pass
2	0.471	21	Yes	194	Pass
3	0.470	17	No	194	Pass
4	0.470	18	No	194	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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Date: 03/20/19

SECTION 11 REVISION LOG

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