

IMPACT TESTING ON SAFETY GLAZING MATERIAL

Rendered to:

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Report No:	C9345.02-201-37
Test Date:	06/13/13
Revision 1 Date:	06/20/13

Organic-Coated Glass

Samples Obtained from Manufacturer: 3M Company - St. Paul, Minnesota

Lab Temperature: 75°F Size Classification: Unlimited

Duration of Pre-Conditioning @ 65 - 85°F: 48 Hours

Specimen Size: 34" wide by 76" high / Impact test

All test specimens were destroyed by test or by our personnel and have been disposed of as trash.

Sample ID: Safety S40 Exterior

Test Specimen Thickness:

Sample Type	Overall Thickness, inches	Lite Thickness, inches	Film Thickness, inches	Film Type	Glass Type
Impact	0.129	0.129	0.004	S40X	Annealed

IMPACT TEST: (ANSI Class B / CPSC Category I)

	Spec. No.Test StandardThickness, inchesImpact Drop Height, inches		Impact Drop	Test Results ¹		
Spec. No.		Observations – delaminated glass, grams	Acceptance Criteria, grams	Pass/Fail		
*1	ANSI Z97.1-2009	0.228	18	No opening, no fragments	94	Pass
**2	ANSI Z97.1-2009	0.226	18	31-1/2" x 1-1/4" opening - 12	93	Pass
*3	ANSI Z97.1-2009 / CPSC 16 CFR 1201 ⁽²⁾	0.227	18	No opening – 0	94	Pass
**4	ANSI Z97.1-2009 / CPSC 16 CFR 1201 ⁽²⁾	0.227	18	9-58" x 1/8" opening - 0	94	Pass

¹ Acceptance Criteria: No shear or opening through which a 3" sphere can freely pass with 4 lbs force. Weight of the ten largest delaminated fragments is not to exceed 10 square inches of the original specimen. ² Effective July 1977

* Film side impact

** Glass side impact

Conclusion: Meets the impact test requirements of the referenced standard.

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For ARCHITECTURAL TESTING, INC:

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ZGW:zgw

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Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	06/18/13	N/A	Original report issue
1	06/20/13	1	Corrected film type name

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