



IMPACT TESTING ON SAFETY GLAZING MATERIAL

Rendered to:

SAINT-GOBAIN SOLAR GARD, LLC 4540 Viewridge Avenue San Diego, California 92123

> Report Date: E2341.03-401-37 Test Date: 3/25/15 5/20/15

Report Date:

Testing in accordance with ANSI Z97.1-2009, CPSC 16 CFR 1201, & CAN/CGSB 12.1-M90

Samples Obtained from Manufacturer: Saint-Gobain Solar Gard LLC

Glazing Product Designation: Solar Gard 8mil – 3/16" Annealed Glass with Film Backing

Sample Dimensions: Impact: 34" wide x 76" high

Size Classification: Unlimited

Lab Temperature: 77°F

Impact Specimen Temperature: 75°F

Duration of Pre-Conditioning @ 68 - 85°F: 4 Hours

Impact Test Results: (ANSI Class A / CPSC Category II)

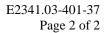
Impact Drop Height: 48 inches

impact Drop Height. 40 menes						
Specimen	Test Standard	Thickness Test Results & Observation		Observations		
Number		(inches)	Observations	Pass / Fail		
1*	ANSI / CAN	0.208	No opening	Pass		
2	ANSI / CAN	0.209	10" x 1" opening at impact location	Pass		
3*	ANSI / CAN	0.208	No opening	Pass		
4	ANSI / CAN	0.206	No opening	Pass		
5*	CPSC 16 CFR 1201 ¹	0.209	No opening	Pass		

Acceptance Criteria: No shear or opening through which a 3" sphere can freely pass with 4 lbs force

¹ CPSC 16 CFR 1201 Effective July 1977

^{*} An asterisk indicates film was on the interior side for impact







Conclusion: Meets the requirements of the referenced standards.

Note: Weathering test results (3000 hours of Xenon-Arc exposure: ASTM G155) can be found in ATI C9680.01-106-37.

For INTERTEK-ATI:	
Dan Braun	J.P. McDonald, P.E.
Vice President - Operations	Director – Regional Operations
JPM:ih	

All test specimens were destroyed by test or by our personnel and have been disposed of as trash. Intertek-ATI will service this report for the entire test record retention period. Test records that are retained such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation will be retained by Intertek-ATI for the entire test record retention period.

Results obtained are tested values and were secured using the designated test methods. This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. It is the exclusive property of the client so named herein and relates only to the specimens tested. This report may not be reproduced, except in full, without the written approval of Intertek-ATI.

Revision Log

Rev. #	Date	Page(s)	Revision(s)
0	05/20/15	N/A	Original report issue



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