

IMPACT TESTING ON SAFETY GLAZING MATERIAL

Rendered to:

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

Report No: C6555.02-401-37
Test Date: 05/30/13
Revision 1: 01/09/14
Report Date: 06/13/13

Sample ID: Solar Gard 4mil 1/4" Annealed Glass with Film Backing

Samples Obtained from Manufacturer: Saint-Gobain Solar Gard

Lab Temperature: 79.5°F Size Classification: Unlimited

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

Specimen Size: 34" wide by 76" high

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

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

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

Spec. No.	Test Standard	Thickness, inches	Impact Drop Height, inches	Test Results ¹	
				Observations	Pass / Fail
1*	ANSI/CAN	0.231	18	No tear or opening	Pass
2	ANSI/CAN	0.231	18	16" x 3/4" opening at impact location	Pass
3*	ANSI/CAN	0.228	18	No opening	Pass
4	ANSI/CAN	0.227	18	No glass breakage	Pass
5	CPSC 16 CFR 1201 ⁽²⁾	0.228	18	31" x 1/2" tear at impact location	Pass

¹ Acceptance Criteria: No shear or opening through which a 3" sphere can freely pass with 4 lbs force.

² Effective July 1977

³ An asterisk indicates film was on the interior side for impact

Conclusion: Meets the impact and weathering 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 ARCHITECTURAL TESTING, INC:

Daniel P. White
Technician

Shawn G. Collins, P.E.
Manager- Regional Operations

DPW:coc/jh

Detailed drawings, data sheets, representative samples of test specimens (if sampled), a copy of this report, or other pertinent project documentation will be retained by Architectural Testing, Inc. for a period of four years from the original test date. At the end of this retention period, such materials shall be discarded without notice and the service life of this report will expire. Results obtained are tested values and were secured by 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 specimen(s) tested. This report may not be reproduced, except in full, without the written approval of Architectural Testing, Inc.

Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/13/13	N/A	Original report issue
1	01/09/14	1	Conclusion details and weathering data notes
1	01/09/14	1	Sample ID name

This report produced from controlled document template ATI 00067, revised 04/23/12.