



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
Report Date: 5/20/15

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

| Specimen Number | Test Standard | Thickness (inches) | Test Results & Observations | |
|-----------------|-------------------------------|--------------------|-------------------------------------|-------------|
| | | | 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
Vice President - Operations

J.P. McDonald, P.E.
Director – Regional Operations

JPM;jh

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

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