

**IMPACT TESTING ON SAFETY GLAZING MATERIAL**

Rendered to:

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

Report No.: D6422.01-106-37  
Test Date: 04/03/14  
Report Date: 05/13/14  
Revision 1: 05/30/14

Sample ID: Solar Gard® Armorcoat® 4 mil

Glazing Description: 4mm film-backed transparent glass

Samples Provided By: Saint-Gobain Solar Gard – Largo, Florida

Lab Temperature: 21°C

Duration of Pre-Conditioning @ 20° - 22°C: 24 Hours

Test Size: 876 mm wide by 1938 mm high

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

*Note: Impacted from film side only with film clamped in frame.*

**Impact Tests: (EN 12600:2002)**

Impact Level	Drop Height	Spec. No.	Test Standard	Thickness <sup>1</sup> (mm)	Observations	Fragment Weight (grams)	Performance Classification
3	190 mm	1	EN 12600	3.96	Did not break	--	--
		2		3.94	No openings	--	--
		3		3.94	No openings	--	--
		4		3.96	Did not break	--	--
2	450 mm	1	EN 12600	3.96	No openings	56	2(B)2
		5		3.99	No openings	27	2(B)2
		6		3.92	No openings	--	2(B)2
		4		3.96	No openings	30	2(B)2

Acceptance Criteria: All detached pieces to weigh no more than 24.95 x lite thickness (mm)

<sup>1</sup> Thickness shown is the combined thicknesses of the glass and film

**Conclusion:** Meets the impact requirements of EN 12600 classification 2(B)2.

**Closing Statement:** Architectural Testing 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 Architectural Testing, Inc. 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 Architectural Testing, Inc.

For ARCHITECTURAL TESTING, INC.:

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Senior Technician

TMW:tmw/jas/cmd

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Christian E. Lapadat  
Program Manager

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	05/13/14	N/A	Original report issue
1	05/30/14	1	"Rendered To" location revised to San Diego, CA; "Provided By" location revised to Largo, FL; Original reviewer (S.T.S.) no longer with Architectural Testing.; removed "solar" from film description line