

Notice

Since the production of this document, Solar Gard has been purchased by Saint-Gobain Performance Plastics Corporation. Solar Gard is now a subsidiary of Saint-Gobain. All references within this document to Bekaert, Bekaert Specialty Films or Bekaert Specialty Films LLC, including but not limited to legal notes, copy and or copyrights are null and void. All rights and responsibilities expressed or written within this document have been transferred from Bekaert Specialty Films, LLC to Saint-Gobain.

The company name in the following report could not be retroactively changed from Bekaert to Solar Gard. The integrity of the product represented in the test has not changed and the results for this product are still valid. As the test is update the new report will reflect the Solar Gard name.

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Test Report

Testing of security glazing products against manual attack according to DIN EN 356 (steel ball drop test)

Report-No.....: 09G327A01#, Order No.: 7301
Test date.....: 15 September 2009
Tester.....: Niederle

Applicant.....: Bruxsafol Folien GmbH
Specimen designation.: Solar Gard Armorcoat 14 mil / P2A / Insulated
Glass Unit - Tempered Glass
Manufacturer.....: Bekaert Specialty Films LLC

Requirement.....: P2A

Description of the specimen in direction of attack (specification of the manufacturer):

6,00mm Tempered Glass
16,00mm Air Space
6,00mm Tempered Glass
0,35mm Foile Solar Gard Armorcoat 14mil Clear / 8014 h.c.

Calculated thickness of the sample [mm]: 28,35


Willner 

Mellrichstadt, 17 September 2009

The test results are only valid for the samples described in this report.

This report is only valid with the official seal and the correspondence of the report numbers on all pages.

Duplication in extracts of this report is only allowed with written approval of the Beschussamt.

Beschussamt Mellrichstadt
Lohstraße 5, D-97638 Mellrichstadt

Report-No... ..: 09G327A01#
Report part-No.:
Test date.....: 15 Sept.2009

Datas of the specimen No. 1:

Dimensions[mm]: 1100 x 900
Thickness[mm]: 28,5

Datas of the specimen No. 2:

Dimensions[mm]: 1100 x 900
Thickness[mm]: 28,5

Datas of the specimen No. 3:

Dimensions[mm]: 1100 x 900
Thickness[mm]: 28,50

Test conditions:

Class: P2A
Fall height[mm]: 3000 ± 50

Room temperature[°C]: 21
Humidity[%]: 55
Specimen temperature ..[°C]: 20

Conditioning of the specimen:

Minimum 12 hours at a room temperature of 23°C ± 5°C

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Results:

The requirements are met **Yes / No** = Y/N
Penetration = P
Stopping of the test = S
The sample was pulled out of the frame = PF

Sample No.	Impact No.	Result	Impact No.	Result	Impact No.	Result
1	1	Y	2	Y	3	Y

Sample No.	Impact No.	Result	Impact No.	Result	Impact No.	Result
2	1	Y	2	Y	3	Y

Sample No.	Impact No.	Result	Impact No.	Result	Impact No.	Result
3	1	Y	2	Y	3	Y

Summary:

Determined category of resistance:

Sample No. 1: P2A
Sample No. 2: P2A
Sample No. 3: P2A

The tested security glazing products has obtained the classification
DIN EN 356 P2A.

This report consists of 3 pages.