

Elancourt, May 24th, 2013



**SOTT**  
**De Donge 2c**  
**5684PX Best.**  
**The Netherlands**

Direction régionale Ile de France  
ZAC de la clé de St Pierre  
12 Avenue Gay Lussac  
F-78990 ELANCOURT

DIVISION ENVELOPPE DU BATIMENT  
Laboratory Produced of Envelope

## File No : BEB1.D.4027-2

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**Tests carried out on** : glass 4 mm + 1 film securite SC-300P3A

At the request of : **SOTT**

For : **SOTT**

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**TEST SITE:** :Elancourt **Date:** 07/05/2013

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### SAMPLE OR TEST SECTION:

Coming from : **SOTT**

Received at GINGER CEBTP om: 07/05/2013 **N.111883**

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### NATURE OF TESTS :

**Hard body drop tests as per European Standards NF EN 356**

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**OBSERVATIONS:** Tests performed in the laboratory

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*This report includes 2 pages.*

### GINGER CEBTP SAS au capital de 2 597 660 Euro

SIEGE SOCIAL : ZAC de la Clef de Saint Pierre 12 Avenue Gay Lussac- 78 990 ELANCOURT - Tél : 01 30 85 24 00

RCS Versailles B 412 442 519 - SIREN 412 442 519 - Code APE 742 C - N. TVA : FR 31 412 442 519

Email : [info@cebt.fr](mailto:info@cebt.fr) - Site internet : [www.ginger-cebtp.com](http://www.ginger-cebtp.com)

Qualifié OPQIBI sous le n. 81 05 0433 - Organisme certificateur déclaré auprès du Ministère chargé de l'industrie

At the request of the company SOTT, the company GINGER CEBTP performed ball drop tests in accordance with the provisions of the European standard NF EN 356 of September 2000.

With regard to the definition of initial type tests with reference to the standard NF EN 14449 <laminated glass and laminated glass Conformity assessment / Productnom>.

## 1-DESCRIPTION OF THE SAMPLES

### Clear glass 4mm + 1 Film SC-300-P3A

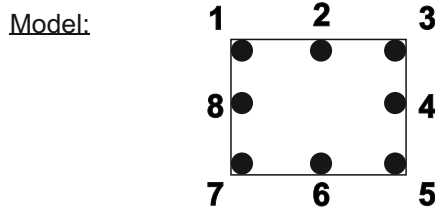
Composition: 1 glazing 4mm + 1 film Security SC-300-P3A

Dimensions: 1100mm x 900mm  
 Total thickness 4.4mm  
 Drop height: 6000mm  
 Number of impacts: 3  
 Clamping pressure: 200 kN/m<sup>2</sup>



Note: Presence of a air bubble between the film and the glass.

## 2 - OVERVIEW OF THICKNESSES



Number:	1	2	3	4	5	6	7	8
Sample 1 (mm)	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Sample 2 (mm)	4.4	4.4	4.35	4.4	4.4	4.4	4.4	4.4
Sample 3 (mm)	4.4	4.4	4.4	4.45	4.45	4.4	4.4	4.45

## 3-TEST RESULTS

AMBIENT TEMPERATURE: 24,7C

Test number:	Falling ball number	1e series falling ball	2e series falling ball	3e series falling ball
1	1	No cross	Tests not asked for the seached class you are looking for.	
	2	No cross	Tests not asked for the seached class you are looking for.	
	3	No cross	Tests not asked for the seached class you are looking for.	
2	1	No cross	Tests not asked for the seached class you are looking for.	
	2	No cross	Tests not asked for the seached class you are looking for.	
	3	No cross	Tests not asked for the seached class you are looking for.	
3	1	No cross	Tests not asked for the seached class you are looking for.	
	2	No cross	Tests not asked for the seached class you are looking for.	
	3	No cross	Tests not asked for the seached class you are looking for.	

## 4-CLASS

The glazing complies with the P3A resistance category of the NF EN 356 standard of september 2000

le chargé d'affaires  
 Laboratoire Produits de l'Enveloppe

**Anthony SOUCHARD**

le Chef de service  
 Laboratoire Produits de l'Enveloppe

**Aurélien GAUDRON**