



Institut Interuniversitaire des Silicates, Sols et Matériaux
Laboratoire de Recherches et d'Essais

Association sans but lucratif



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TEST REPORT N° 2005B SEC 2600-4 c

N/Réf. : MCO/Glav Bx - SEC - 2600-4A

V/Réf. : Email from Mr. Nokerman - 27.10.2005

Consisting of 5 pages

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Mons, November 17th, 2005

REQUESTED BY : GLAVERBEL SA
Chaussée de la Hulpe, 166
B-1170 BRUXELLES (BOISFORT)
BELGIUM

REQUEST RÉFÉRENCE : Email from Mr. Nokerman – October 27th, 2005

SAMPLE DESCRIPTION : Laminated safety glass

SAMPLE NUMBER AND IDENTIFICATION : 4 samples – Stratobel 66-6
CSEC2600/4

PURPOSE OF THE REQUEST : COMPLIANCE WITH THE REQUIREMENTS OF THE EN 356 STANDARD FOR
FLAT SAFETY GLASS (RESISTANCE AGAINST MANUAL ATTACK).

SAMPLES RECEIVED ON : November 10th, 2005 **TEST STARTING DATE :** November 15th, 2005

SPECIAL REMARKS : * BELTEST accredited tests

This report concerns only the submitted samples.

COMPLIANCE WITH THE REQUIREMENTS OF THE EN 356 STANDARD
FOR FLAT SAFETY GLASS
(class P1A to P5A) *

Name of the applicant : Glaverbel SA
Chaussée de la Hulpe, 166
B-1170 BRUXELLES (BOISFORT)
BELGIUM

Commercial name of the product : **Stratobel 66-6**

Customer reference : **Code 402 - 3**

Technical specifications
- Internal reference : CSEC2600/4
- Number of samples : 4
- Structural composition of the samples : see annex 1

Side to present to the impact : Indifferent

Integration of an electronic system or alarm component : None

Sampling : By the applicant

Samples compliance with the requirements : Within the requirements

Temperature in the test room : 21°C

Requested class : EN 356 - Class P5A

Drop height : 9 m

Testing date : November 15th, 2005

Conditioning time at that temperature : 4 days

Witness : Mr. Nokerman and Mrs. Barlet

RESULTS

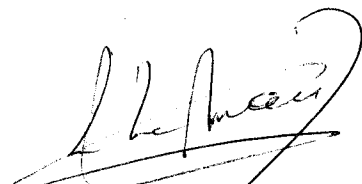
TEST PIECE Nr	ACTUAL THICKNESS (mm)	NUMBER OF IMPACT	INSPECTION OF THE TEST PIECE AFTER IMPACT
1	13.94	1 st ball 2 nd ball 3 rd ball 4 th ball 5 th ball 6 th ball 7 th ball 8 th ball 9 th ball	Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken with tearing of the PVB (65 mm)
2	13.98	1 st ball 2 nd ball 3 rd ball 4 th ball 5 th ball 6 th ball 7 th ball 8 th ball 9 th ball	Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken with tearing of the PVB (45 mm) Broken without tearing
3	14.01	1 st ball 2 nd ball 3 rd ball 4 th ball 5 th ball 6 th ball 7 th ball 8 th ball 9 th ball	Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken without tearing Broken with tearing of the PVB (60 mm) Broken with tearing of the PVB (10 mm)

REMARK


None

CONCLUSION

The samples considered in this report are in compliance with the requirements of the EN 356 standard : **class P5A**

A handwritten signature in black ink, appearing to read "F. Taildeman", written over a horizontal line.

F. TAILDEMAN
Laboratory Leader

A handwritten signature in black ink, appearing to read "J.M. Malempre", written over a horizontal line.

J.M. MALEMPRE
Leader Glazings and Components

ANNEX 1

COMPOSITION OF THE TESTED SAMPLES

CSEC2600/4

COMPONENTS	TYPE	NOMINAL THICKNESS	TREATMENT
First component	Float glass	6.00 mm	None
Second component	PVB	2.28 mm	None
Third component	Float glass	6.00 mm	None