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Institut Interuniversitaire des Silicates, Sols et Matériaux

Laboratoire de Recherches et d'Essais

Association sans but lucratif



N° d'accréditation : 32-Test
selon ISO 17025

TEST REPORT : N° 2007B SEC 2863-2

Including 3 pages + 1 annex

Page 1/4

Mons, le March 12th, 2007

REQUESTED BY :

GLAVERBEL S.A. - Site d'Athus
Zone Industrielle du PED
6791 ATHUS
BELGIUM

REFERENCE OF THE REQUESTED :

Order n° 45697425 from November 17th, 2006

CONCERNED MANUFACTURER:

GLAVERBEL S.A.
Chaussée de la Hulpe, 166
1170 BRUXELLES
BELGIUM

NUMBER OF SAMPLES AND IDENTIFICATION :

703-3- See page 2

PURPOSE OF THE REQUEST :

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

SAMPLES RECEIVED ON :

February 8th, 2007

TESTING DATE :

February 16th, 2007

COMMENTS :

* Test under accreditation



Notified body (Id.N°1174)

according to ART.18 of the « Construction Products Directive » CPD 89/106/EEC

DESCRIPTION OF THE SAMPLES

<u>Name of the applicant</u>	:	GLAVERBEL S.A. Chaussée de la Hulpe, 166 1170 BRUXELLES BELGIUM
<u>Commercial name of the product</u>	:	/
<u>Customer reference</u>	:	703-3 (Thickness 8.10.8/2)
<u>Technical specifications</u>	:	
- Internal reference	:	CSEC2863/2
- Number of samples	:	4 samples (1100 * 900 mm)
- Structural composition of the samples	:	See annex
<u>Side to present to the impact</u>	:	Indifferent
<u>Integration of an electronic system or alarm component</u>	:	None
<u>Sampling</u>	:	Under responsibility of the applicant
<u>Sampling information</u>	:	Traceability of the samples is under responsibility of the applicant.
<u>Witness</u>	:	None

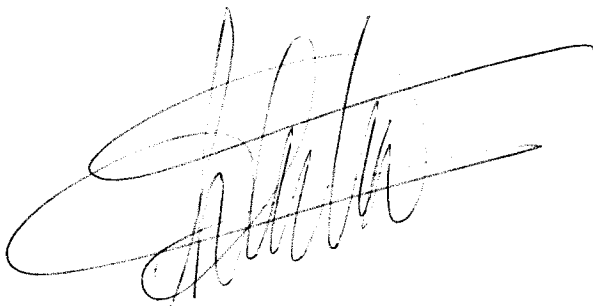
COMPLIANCE WITH THE REQUIREMENTS OF THE EN 356 STANDARD
FOR FLAT SAFETY GLASS
(class P1A to P5A)

On 3 samples
Drop height : 6 m
Testing date : March 16th, 2007
Temperature in the test room: 19°C
Conditioning time at that temperature: 8 days

Test piece number	Actual thickness (mm)	Number of impact	Inspection of the test piece after impact
1	26.28	1 st ball 2 nd ball 3 rd ball	Broken without tearing Broken without tearing Broken without tearing
2	26.57	1 st ball 2 nd ball 3 rd ball	Broken without tearing Broken without tearing Broken without tearing
3	26.55	1 st ball 2 nd ball 3 rd ball	Broken without tearing Broken without tearing Broken without tearing

Conclusion

The samples considered in this report are in compliance with the requirements of the EN 356 standard : **class P3A**



D. LIBERT
Chief of Laboratory

Glazing & Components

S. LANGE
Head of Department

ANNEX

Composition of the tested samplesCSEC2863/2

COMPONENTS	TYPE	NOMINAL THICKNESS	TREATMENT	
			Physical	Chemical
1	Float glass	8 mm	-	-
2	PVB	0.38 mm	-	-
3	Float glass	10 mm	-	-
4	PVB	0.38 mm	-	-
5	Float glass	8 mm	-	-