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RC MONS : 130.828 - Enregistrement : 08/02/01

Laboratoire agréé : Voir circulaire 514-B/33 du 09/02/87 du  
M.T.P.  
et communiqués 514-B/33/1 et 2 du M.C.I.



N° d'accréditation : 37-T  
selon ISO 17025

## **TEST REPORT N° 2005B SEC 2608-1**

N/Réf. : DL/Glav Seneffe-SEC-2608-1

V/Réf. : Email from Mr. De Boel – 17/11/05

Consisting of 4 pages

Page 1/4

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Mons, December 19<sup>th</sup>, 2005

**REQUESTED BY :** GLAVERBEL S.A.  
Parc Industriel – Zone C  
B-7180 SENEFFE  
BELGIUM

**REQUEST REFERENCE :** Email from Mr. De Boel – 17/11/05

**SAMPLE DESCRIPTION :** Laminated safety glass

**SAMPLE NUMBER AND IDENTIFICATION :** 12 samples - Pyrobelite EW60 / 12 – Usine de Olovi  
CSEC2608-1

**PURPOSE OF THE REQUEST :** Test on safety glass in compliance with the requirements of the  
standard EN 12600 (Pendular test).

**SAMPLES RECEIVED ON :** 07/12/05

**TEST STARTING DATE :** 09/12/05

**SPECIAL REMARKS :** \* BELTEST accredited tests

**This report concerns only the submitted samples.**

TEST ON SAFETY GLASS IN COMPLIANCE WITH  
THE REQUIREMENTS OF THE STANDARD EN 12600

(Pendular test)

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Name of the applicant : GLAVERBEL S.A.  
Parc Industriel – Zone C  
B-7180 SENEFFE  
BELGIUM

Commercial name of the product : **Pyrobelite EW60 / 12**

Customer reference : **Pyrobelite EW60 / 12**  
**Usine de Olovi**

Technical specifications  
- Internal reference : CSEC2608-1  
- Number of samples : 12 (878 x 1940 mm)  
- 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 : come within the requirements

Temperature in the test room : 20°C

Requested class : EN 12600

Drop height : 190, 450

Testing date : 09/12/2005

Conditioning time at that temperature : 2 days

Witness : Mr. De Boel (Glaverbel Seneffe)  
Mr. F. Bonnefoy (Glaverbel Seneffe)

**RESULT**

12 samples Pyrobelite EW60/12 – tested samples n° BX05319-01-505 à 510

Dimension : 878 x 1940 mm

**Usine de Olivi**

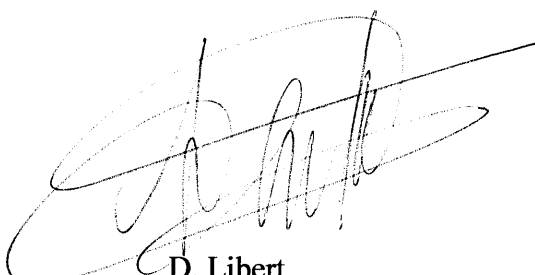
TEST PIECE NUMBER	ACTUAL THICKNESS (mm)	DROP HEIGHT (mm)	INSPECTION OF THE TEST PIECE AFTER IMPACT
sample 510	12.2	190	Intact
sample 508	12.0	190	Intact
sample 507	12.0	190	Intact
sample 505	11.9	190	Intact
sample 508	12.0	450	Intact
sample 506	12.0	450	Intact
sample 509	12.0	450	Intact
sample 505	11.9	450	Intact

**REMARK(S)**

Fragmentation : Type B

**CONCLUSION**

The tests carried out on the samples considered in this report gave results in compliance with the requirements of the EN 12600 (pendular test) standard for the safety **Classification 2B2**.



**D. Libert**  
 Laboratory Leader



**J.M. MALEMPRE**  
 Leader Glazings and Components

ANNEX 1  
Composition of the tested samples

COMPONENTS	TYPE	NOMINAL THICKNESS (mm)	TREATMENT	
			Physical	Chemical
First component	Float	2,85	None	None
Second component	Coating Pyrobel	1,60	-	-
Third component	Float	2,85	None	None
Fourth component	Coating Pyrobel	1,60	-	-
Fifth component	Float	2,85	None	None

**BX05319-01-509**

PYROBELITE EW60/12  
PYROBELITE EW60/12  
RF30 212XX103  
12.0 mm  
PE  
87.60 x 193.80 cm  
1 Pieces  
1.70 M<sup>2</sup>  
49.30 Kg  
OL1 21 C02

**BX05319-01-508**

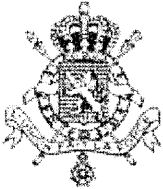
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**OFFICIAL ACKNOWLEDGEMENT**

**AUTHORIZED TESTS**



**Notified body (Id.N°1174) according to ART.18 of the « Construction Products Directive » CPD 89/106/EEC**



**Authorized by the Belgian organization for technical approval in building (UBAtc)**



- Glazing Appearance and geometry
- Photometric and energetic characteristics
- Coated glass durability
- Insulating glass performances
- Mirrors
- Impact resistance of security glazing
- Dessicants for insulating glass
- Sealants for Insulating glass assembling
- Structural glazing sealants



**Authorized by the Belgian public federal service for transportation**

- Homologation tests of safety glazing for automotive  
( UN R.43 - CEE 92/22 and 89/173 )



**Authorized by the Automotive Manufacturers Equipment Compliance Agency, Inc ( AMECA - Washington - U.S.A.)**

- Homologation tests of safety glazing for automotive( ANSI Z26.1 )



**Authorized by "Eisenbahn – Bundesamt" (EBA – Deutschland)**

- Optical properties – Safety glazing for railway vehicles