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**Interuniversity Institute for Silicates, soils and Materials**  
**Test and Research laboratory**

Non-profit-making association



N° d'accréditation : 032-Test  
selon ISO 17025

## **TEST REPORT : N° 2013B SEC 20237-1**

Including 3 pages  
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Mons, December 5<sup>th</sup>, 2013

**REQUESTED BY :**

**GUARDIAN EUROPE S.À.R.L.**  
Zone Industrielle Wolser  
L-3452 Dudelange  
Luxembourg

**REFERENCE OF THE REQUESTED :**

Order HR007793

**CONCERNED MANUFACTURER:**

**GUARDIAN CZESTOCHOWA**  
Wojciecha Korfantego  
42-200 Czestochowa  
Poland

**NUMBER OF SAMPLES AND IDENTIFICATION :**

**Lamiglass 33.2- 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 :**

12/11/2013

**TESTING DATE :**

14/11/2013

**COMMENTS :**

\* Test under accreditation



**Notified body (Id.N°1174)**

according to Regulation (EU) No 305/2011 - Construction products

**Description OF THE SAMPLES**

Manufacturer : **GUARDIAN EUROPE S.À.R.L.**  
Zone Industrielle Wolser  
L-3452 Dudelange  
Luxembourg

Production site : **GUARDIAN CZESTOCHOWA**

Commercial name of the product : **Lamiglass 33.2**

Customer's references : /

Internal reference : SEC 20237

Sampling : Under responsibility of the manufacturer

Sampling information : Traceability of the samples is under responsibility of the manufacturer.

Number of samples : 6 samples (1100 \* 900 mm)

Structural composition of the samples :

COMPONENTS	TYPE	NOMINAL THICKNESS	TREATMENT	
			Physical	Chemical
1	Clear Float glass	3 mm	-	-
2	Clear PVB	0.76 mm	-	-
3	Clear Float glass	3 mm	-	-

Integration of an electronic system or alarm component : None

Witness : None

**TEST ON SAFETY GLASS IN COMPLIANCE WITH THE  
REQUIREMENTS OF THE EN 356 STANDARD (2000)\*  
(class P1A to P5A)**

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On 3 samples  
Drop height : 3.0 m  
Testing date : 14/11/2013  
Tested side : -  
Temperature in the test room: 21°C

Test piece number	Actual thickness (mm)	Number of impact	Inspection of the test piece after impact
1	6.48	1	Broken without tearing
		2	Broken without tearing
		3	Broken with tearing 90 mm
2	6.50	1	Broken without tearing
		2	Broken with tearing 30 x 30 mm
		3	Broken with tearing 140 mm
3	6.39	1	Broken without tearing
		2	Broken with tearing 30 x 40 mm
		3	Broken without tearing

**Conclusion**

The samples considered in this report **are** in compliance with the requirements of the EN 356 standard : **class P2A**

D. LIBERT  
Head of Department

Glazing and Components - INISMa