

## **TEST REPORT : N° 2012B SEC 16636-4**

**REQUESTED BY :** **AGC GLASS EUROPE**  
Chaussée de la Hulpe, 166  
1170 BRUXELLES  
BELGIUM

**REFERENCE OF THE REQUESTED :** PO 450356481 – 21/08/2012

**CONCERNED MANUFACTURER:** **AGC GLASS EUROPE ATHUS**  
Zone industrielle PED  
6791 ATHUS  
BELGIUM

**NUMBER OF SAMPLES AND IDENTIFICATION :** **Laminated Glass - See page 2**

**PURPOSE OF THE REQUEST :** **INITIAL TYPE TEST**  
**TEST ON SAFETY GLASS IN COMPLIANCE WITH THE**  
**REQUIREMENTS OF THE STANDARD EN 12543-4**  
**(DURABILITY TEST)\***

**SAMPLES RECEIVED ON :** 11/09/2012

**TESTING DATE :** from 26/09/2012

**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**

Manufacturer : **AGC GLASS EUROPE ATHUS**  
Zone industrielle PED  
6791 ATHUS  
BELGIUM

Production site : Athus - B  
Commercial name of the product : **Stratobel 22.1**

Customer's references : /

Internal reference : SEC 16636

Sampling : Under responsibility of the manufacturer

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

Number of samples : 6 samples (300 x 100 mm)

Structural composition of the samples :

COMPONENTS	TYPE	NOMINAL THICKNESS	TREATMENT	
			Physical	Chemical
1	Annealed glass	2 mm		
2	Standard PVB from Solutia	0.38 mm		
3	Annealed glass	2 mm		

Integration of an electronic system or alarm component : None

Witness : None

TEST ON SAFETY GLASS IN COMPLIANCE WITH  
THE REQUIREMENTS OF THE STANDARD EN 12543-4

(Glass in the construction industry)  
(Laminated glass and of safety)  
(Part 4: Testing methods concerning durability)

**HIGH TEMPERATURE TEST : § 5.3.2.**

On 3 samples

Dimension : 300\*100 mm

Testing date : 08/10/2012

Test schedule : the samples were placed vertically during 16 hours in an oven at 100°C.

Sample number :	1	2	3
Actual thickness (mm)	4.14	4.15	4.15
Bubble(s) :	None	None	None
Delamination :	None	None	None
Opacification :	None	None	None

Defect located within 15mm from an original edge and 20 mm from a cutted edge are not taken into account.

**HUMIDITY TEST WITH CONDENSATION: § 6.3.1**

On 3 samples

Dimension : 300\*100 mm

Testing date : from 26/09/2012

Test schedule : the samples were placed vertically during 2 weeks in a chamber at 50°C and 100% relative humidity.

Sample number :	1	2	3
Actual thickness (mm)	4.14	4.13	4.14
Bubble(s) :	None	None	None
Delamination :	None	None	None
Opacification :	None	None	None

Defect located within 15mm from an original edge and 20 mm from a cutted edge are not taken into account.

## CONCLUSION

The tests carried out on the samples considered in this report gave results **in compliance** with the requirements of the **EN 12543-4** standard (resistance at high temperature and resistance to humidity with condensation).



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