

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)  
Notified Body Nr. 0370

No. **0370-CPR-2036**

In compliance with Regulation (EU) Nr. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

**SMOKE AND HEAT CONTROL SYSTEMS. SMOKE BARRIERS**  
PRODUCT RANGE: **SMOKEFIX. SSB DH-60/DA-150**

Placed on the market under the name of:

**SOUCHIER-Boullet, S.A.S.**

11, RUE DES CAMPANULES CS 30066  
77436 MARNE LA VALLÉE CEDEX 2 (FRANCE)

And produced in the manufacturing plant:

24/32305170

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

**EN 12101-1:2005; EN 12101-1:2007/A1:2006**

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 17<sup>th</sup> June 2011 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed and modified on 19<sup>th</sup> July 2024.

**The monitoring assessment will be done before 30<sup>th</sup> June 2025**

Bellaterra, 19<sup>th</sup> July 2024



  
LGAI Technological Center, S.A.  
Xavier Ruiz Peña  
Managing Director, Product Conformity B.U.



*This document is not valid without its technical annex; whose number coincides with that of the certificate.*

You can check the validity of this certificate on our website: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility

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Annex according to **EN 12101-1:2005; EN 12101-1:2007/A1:2006**

### SMOKE AND HEAT CONTROL SYSTEMS. PART. 1: SPECIFICATION FOR SMOKE BARRIERS

#### CERTIFIED PERFORMANCE

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Operational reliability	5.3	PASS
Response delay	5.4	NA - SSB
Security Measures	5.4	NA - SSB
Resistance to fire - Smoke leakage	5.5	PASS
Resistance to fire - Mechanical stability	5.2	DH60 & DA150
Resistance to fire - Integrity	5.2	DH60 & DA150

PASS; NPD = No Performance Determined; NA = Not Applicable

#### PRODUCT

- No emission of flaming particles has been reported for the 600 first seconds
- Fibreglass gauze ref. fire resistant "TECTEX 450-PU/2" of 0,37 mm thick and 450 gr/m2.
- Lap attaching method: Sewing by double sewing using a fibreglass wire with steel Inconel
- Static smoke barrier
- Barrier's Smoke leakage does not exceed 25 m<sup>3</sup>/h·m<sup>2</sup> of leak rate at a room temperature
- Total dimensions of the test: 3000 x 3000 mm (height x width)
- Dimensions of the clearance: 2770 x 2600 (height x width)
- Total dimensions of the cloth exposed to fire (excluding vertical sewing lap): 2800 x 2850 mm (height x width).
- Method of fixing minimum required by plate 1.2 mm thick steel rivets fixed with 4 mm.
- It is permitted the increase of
  - \* Total height of the barrier no more than 10 m.
- **SSB-DH60:**
  - Cloth designed by seaming with vertical overlap of 50 mm
  - Maximum weight of the counterweight bar 2.55 kg/m (10 m height barrier).
  - Calculation on the deviation of the smoke barriers provided by the applicant:

$$d_c = 1,2 \frac{A_1 A_1 D_1^3}{3T_1(2M_b + M_c L_c)} = 0.65m$$

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- **SSB-DA150:**

- Cloth designed by double seaming 50mm with vertical overlap of 60 mm
- Maximum weight of the counterweight bar 2.11 kg/m (10 m height barrier).
- Calculation on the deviation of the smoke barriers provided by the applicant:

$$d_c = 1,2 \frac{A_0 A_1 D_1^3}{3T_1(2M_b + M_c L_c)} = 0.68 \text{ m}$$

The complete technical data of the certified range **SMOKEFIX. SSB DH-60/DA-150** are detailed in the technical file and the assessment report nº 11/3594-2232 and 12/4726-430.