

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. **0370-CPR-6415**

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.

ADEXON-SSC60DH & SSC150DA STATIC SMOKE CURTAIN

Placed on the market under the name of:

Cubex (UK) Ltd T/A ADEXON FIRE & SMOKE

L36 5SH PROSPECT HOUSE, HUYTON CHURCH ROAD
L3655H, LIVERPOOL, MERSEYSIDE, UK

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 12101-1:2005/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 4th July 2022 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 19th July 2024.

The monitoring assessment will be done before 30th June 2025

Bellaterra, 19th 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

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 12101-1:2005/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
- Barrier's Smoke leakage does not exceed 25 m³/h·m² 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)
- 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.
- **SSC60DH:**
 - 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:

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

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- **SSC150DA:**

- 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:

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

The complete technical data of the certified range **ADEXON-SSC60DH & SSC150DA STATIC SMOKE CURTAIN** are detailed in the technical file and the assessment report nº 11/3594-2232 and 12/4726-430.