

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No.

0370-CPR-6662

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: **NSC SB-60** (Single Barrel arrangement); **NSC MB-60** (Multiple Barrel arrangement)

Placed on the market under the name of:

National Fire Fighting Manufacturing FZCO (NAFFCO)

ST 731A, NORTH, JEBEL ALI FREE ZONE
17014 DUBAI E.A.U.

And produced in the manufacturing plant:

ST 731A, NORTH, JEBEL ALI FREE ZONE
17014 DUBAI E.A.U.

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 3rd February 2023 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 on 24th November 2023.

The monitoring assessment will be done before 28th February 2025

Bellaterra, 24th November 2023




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

0370-CPR-6662

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 | ASB2 |
| Security Measures | 5.4 | ASB2 |
| Resistance to fire - Smoke leakage | 5.5 | PASS |
| Resistance to fire - Mechanical stability | 5.2 | DH30 D ₆₀₀ A |
| Resistance to fire - Integrity | 5.2 | DH30 D ₆₀₀ A |

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

PRODUCT

- Overall maximum dimensions: 5228 x 10000 mm (width x height)
- Maximum roller length: 5178 mm
- Woven glass fabric coated with fire retardant aluminium-pigmented polyurethane on both sides thickness 0,4 mm and weight of finished fabric 455 g/m².
- High temperature stainless steel sewing thread with Kevlar covering.
- Vertical joint between fabrics 55 mm-width-simple joint, with two rows of simple seam, distanced 37 mm between them and 9 mm from edges.
- Upper hem: A 55 mm-width-simple hem, with two rows of simple seam, distanced 37 mm between them and 9 mm from edges.
- Vertical hem: A 55 mm-width-simple hem, with two rows of simple seam, distanced 37 mm between them and 9 mm from edges.
- Head box made of galvanized iron sheet and incorporates:
 - Galvanized iron L-angle bracket with dimensions of 20 x 30 and 2,5 mm of thickness. Fixing method:
 - To front cover: M6 revical nut.
 - To bottom cover: 3,8 self-drilling screws and rivets.
 - Galvanized iron L-angle bracket with dimensions of 20 x 30 and 2,5 mm of thickness. Fixing method:
 - To back cover: 3,8 self-drilling screws.
 - To front cover: M6 revical nut.
 - To element 1: M6 x 16 mm.
 - Galvanized iron L-angle bracket with dimensions of 20 x 30 and 2,5 mm of thickness. Fixing method:
 - To element 1 by means of M6 revical nut and 3,8 drilling screw.
 - Zinc coated ERW pipe single-roller of \varnothing 76 mm and wall thickness 3,4 mm. (*For NSC SB-60 (Single Barrel arrangement)*)
 - Zinc coated ERW pipe multi-roller of \varnothing 76 mm and wall thickness 3,4 mm. (*NSC MB-60 (Multiple Barrel arrangement)*)

0370-CPR-6662

- Galvanized iron roller retaining brackets for rollers of dimensions 71x43 mm and thickness 2,5 mm.
- The bottom bar is made of:
 - Galvanized iron profiles with a section of 48 x 68 mm (profile 1) and 19 x 64 mm (profile 2) and thickness 1,2 mm.
- Open/closing mechanism: Electrical tubular motor

The complete technical data of the certified model **NSC SB-60 (Single Barrel arrangement)**; **NSC MB-60 (Multiple Barrel arrangement)** is detailed in the technical file reports nº 22/32302817, 22/32302817-1 & 23/32300719.