

FIRE SAFETY CERTIFICATION

PRODUCT APPROVAL

No. **APF-2034**

LGAI TECHNOLOGICAL CENTER S.A. (APPLUS), according to the requirements of the SPC-102 Ed. 7, certifies the performances stated in the technical annex following the reference standard for:

Product range	NSC SB-60 (Single Barrel arrangement); NSC MB-60 (Multiple Barrel arrangement)
Company	National Fire Fighting Manufacturing FZCO (NAFFCO) ST 731A, NORTH, JEBEL ALI FREE ZONE 17014 DUBAI E.A.U.
Manufactured	National Fire Fighting Manufacturing FZCO (NAFFCO) ST 731A, NORTH, JEBEL ALI FREE ZONE 17014 DUBAI E.A.U.
Standard Reference	EN 12101-1:2005; EN 12101-1:2005/A1:2006: "Smoke and heat control systems. Part 1: specification for smoke barriers".
Product Details and Test Report	Please check at the technical annex file and the range reports 22/32302817, 22/32302817-1 & 23/32300719.



Renovation of the initial certificate issued on 3er February 2023

Valid until 28th February 2025

Bellaterra, 24th November 2023

 LGAI Technological Center, S.A. Xavier Ruiz Peña Product Conformity B. U., Managing Director	
You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products	

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



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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	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 ø76 mm and wall thickness 3,4 mm. *(For NSC SB-60 (Single Barrel arrangement))*

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- Zinc coated ERW pipe multi-roller of $\varnothing 76$ mm and wall thickness 3,4 mm. (*NSC MB-60 (Multiple Barrel arrangement)*)
- 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