

# CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. **0370-CPR-2459**

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:

## VENTILATION FOR BUILDINGS. FIRE DAMPERS

MODEL: **BDK 120**

Placed on the market under the name of:

## SAFEAIR, S.L. (GRUPO KOOLAIR)

POL. IND. SAN ISIDRO  
AVDA. SAN ISIDRO NAVE C-3  
45223 SESEÑA (TOLEDO) SPAIN

And produced in the manufacturing plant:

POL. IND. SAN ISIDRO  
AVDA. SAN ISIDRO NAVE C-3  
45223 SESEÑA (TOLEDO) SPAIN

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

### EN 15650:2010

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 21<sup>st</sup> October 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 25<sup>th</sup> October 2024.

### The monitoring assessment will be done before 31<sup>st</sup> October 2025

Bellaterra, 25<sup>th</sup> October 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

## 0370-CPR-2459

Annex according to **EN 15650:2010**

### VENTILATION FOR BUILDINGS. FIRE DAMPERS CERTIFIED PERFORMANCES

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Nominal activation conditions/sensitivity: - sensing element load bearing capacity - sensing element response temperature	4.2.1.2 4.2.1.2.2 4.2.1.2.3	PASS
Response delay (response time): - closure time	4.2.2.2	PASS
Operational reliability: - cycling	4.3.1, a)	50 Cycles
Fire resistance:		
- integrity	4.1.1, a)	EI 120 (ve i → o) S
- insulation	4.1.1, b)	EI 120 (ve i → o) S
- smoke leakage	4.1.1, c)	EI 120 (ve i → o) S
- mechanical stability (under E)	4.1.1, a)	EI 120 (ve i → o) S
- maintenance of the cross section (under E)	4.1.1, a)	EI 120 (ve i → o) S
Durability of response delay: - sensing element response to temperature and load bearing capacity	4.2.1.2.2 & 4.2.1.2.3	PASS
Durability of operational reliability: - open and closing cycle tests	4.3.3.2	NA

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

### PRODUCT

- Double blade Fire Damper, BDK 120.
- Dimensions of circular product range, 100 mm of diameter up to diameter 200 mm. for flexible wall & rigid wall.
- Classification EI 120 (ve i → o) S for flexible wall and rigid wall.
- Damper tested with manual activation, automatic closing by spring. Thermal fuse JPC 5EZ272.
- Tested with thermal trip mechanism placed between the blades.
- Damper tested on rigid and flexible wall (vertical mounted).
- 50 opening and closing cycles are performed prior to testing.
- Testing pressure: 500 Pa.

Full technical data for the certified product range is specified in the technical file and in the range report 16/12065-601, 17/14603-1461 & 17/15426-2005.