

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. **0370-CPR-7004**

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 CONTROL DAMPERS.

MODEL: **SDK-DECO**

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 12101-8:2011

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 26th January 2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 modified on 17th May 2024.

The monitoring assessment will be done before 31st October 2024

Bellaterra, 17th May 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 12101-8:2011**

SMOKE AND HEAT CONTROL SYSTEMS. PART 8: SMOKE CONTROL DAMPERS

CERTIFIED PERFORMANCES

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Nominal activation conditions/sensitivity	4.2.1.3	PASS
Response delay (response time)	4.2.1.4	PASS
Operational reliability	4.3.2.2	300 Cycles
Fire resistance – Integrity	4.1.1 a), 4.4.1	EI90 (V _{ed} i↔o) S1500 C ₃₀₀ AAmulti
Fire resistance – Insulation	4.1.1 b), 4.4.1	E120 (V _{ed} i↔o) 1500 C ₃₀₀ AAmulti
Fire resistance – Smoke leakage	4.1.1 c), 4.4.1	EI90 (V _{ed} i↔o) S1500 C ₃₀₀ AAmulti
Fire resistance – Mechanical stability (under E)	4.1.1 d)	E120 (V _{ed} i↔o) 1500 C ₃₀₀ AAmulti
Fire resistance – Maintenance of the cross section (under E)	4.1.1 e)	EI90 (V _{ed} i↔o) S1500 C ₃₀₀ AAmulti
Fire resistance – High operational temperature	4.1.1 f), 4.4.1	NA
Durability of response delay	4.4.2.1	PASS
Durability of operational reliability	4.4.2.2	PASS

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

PRODUCT

- Dimensions between 300 x 385 mm and 700 x 1100 mm (nominal dimension).
- Opening and closing mechanism: Electromagnetic coil.
- Tested damper in a vertical duct made of 50 mm thick Promatect AD plates passing through a floor slab.
- Tested at 300 cycles.
- Test pressure in fire -500 Pa and in ambient - 1500 Pa

Full technical data for the certified product **SDK-DECO** is specified in the technical file and in the report 23/32301093 and 23/32301093-1