



PAVUS, a.s.

Notified Body No. 1391

Prosecká 412/74, 190 00 Praha 9 - Prosek

Decision No. 27/2013-CPR of 13th December 2013

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-0104/2014/O1

In compliance with Regulation 305/2011/EU of European Parliament and of the Council of 9 March 2011 (the Construction Product regulation or CPR), this certificate applies to the construction product:

Smoke control damper CX-5C

Technical parameters of the product:

are stated in the Annex No. 1 of this certificate of constancy of performance

Intended use of the product in buildings:

Multi compartment smoke control dampers that are to be used in smoke and heat control systems at 600°C or under fire conditions.

produced by or for:

CIAT Sp. z o.o.

ul. Langiewicza 62, PL 95-050 Konstancynów Łódzki, Poland

and produced in the manufacturing plant:

CIAT Sp. z o.o.

ul. Langiewicza 62, PL 95-050 Konstancynów Łódzki, Poland

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 performances set out in this certificate are applied and that
the construction product fulfils all the prescribed requirements for these
performances**

This certificate was first issued on 28th July 2014 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body. This certificate replaces and cancels certificate No. 1391-CPR-0104/2014 of 28th July 2014 issued by NB 1391.

In Prague 29th August 2014




Ing. Jaroslav Dufek
Managing Director PAVUS, a.s.
Notified Body No.1391

Technical parametres of the product

Trade name	Multi compartment smoke control damper
Classification according to EN 13501-4:2007+A1:2009 *) (test according to EN 1366-10:2011):	EI 120 (vew-how-i↔o) S1500C10000 AAmulti , valid also for: EI 90 (vew-how-i↔o) S1500C10000 AAmulti EI 60 (vew-how-i↔o) S1500C10000 AAmulti
Form and dimensions	Circular damper: diameter min. 200 mm, max. 630 mm
Actuators	1. Drive SDG-15-230, SDG-15-24 2. Mechanism GRYFIT H with electromagnet impuls 230VAC / 24VDC and with drive FDG-8-230 or FDG-8-24

Area of using

Max. underpressure	-1 500 Pa
Max. overpressure	+500 Pa
Using	<ul style="list-style-type: none"> in systems with automatical activation connection on single or multi smoke control duct in combined systems (smoke control and common ventilation)
Built in	<ul style="list-style-type: none"> concrete walls thickness min. 110 mm, walls from full bricks thickness min. 110 mm, walls from aerated concrete thickness min. 110 mm, concrete ceilings thickness min. 150 mm
Additional information	Consequently actuators shall have no thermal devices to cause uncontrolled operation and no automatic return mechanisms that can, for instance, operate on loss of power (according to EN 12101-8:2011, cl. 4.2.1.1).

Assessing product performances

Essential characteristics	Requirement clauses in EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	4.2.1.3	Closure/opening during the test in right time during right period.	Conforms
Response delay(response time)	4.2.1.4	< 60 s	Conforms
Operational reliability	4.4.2.2	C 10 000	Conforms
Fire resistance			
- integrity (E)	4.1.1 a), 4.4.1	E 120 < 360 m ³ /(h.m ²)	Conforms
- insulation (EI)	4.1.1 b), 4.4.1	EI 120	Conforms
- smoke leakage (EIS)	4.1.1 c), 4.4.1	EIS 120 < 200 m ³ /(h.m ²)	Conforms
- mechanical stability (under E)	4.1.1 d)	120 min	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	120 min	Conforms
- high operational temperature	4.1.1 f), 4.4.1	No performance determined	NPD
Durability			
- of response delay	4.4.2.1	< 120 s	Conforms
- of operational reliability	4.4.2.2	C 10 000	Conforms

*) Conditions of classification are stated in Classification report No. PK4-02-14-002-E-0, issued by PAVUS, a.s. of 21.7.2014 and in Fire classification No. LBO-585-K/14E, issued by Zespół Laboratoriów Badawczych Gryfillab, Goleniów, Poland of 11.8.2014.



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