



PAVUS, a.s.
Notified Body No. 1391
Prosecká 412/74, 190 00 Praha 9 - Prosek
Decision No. 6/2016-CPR of 25th January 2017

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2017/0087

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:

Multiblade smoke control damper BRK-J/EI90/M/HOT and BRK-J/EI90/G/M/HOT

EI 120 ($v_{edw}-h_{odw} - i \rightarrow o$) S1000C₁₀₀₀₀ HOT400/30AAmulti
EI 90 ($v_{edw}-h_{odw} - i \rightarrow o$) S1000C₁₀₀₀₀ HOT400/30AAmulti

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

placed on the market under the name or trade mark of:

AEROPRODUKT ZRT.
Szegedi út 1., HU-6640 Csongrád, Hungary, ID 0110047177

and produced in the manufacturing plant:

AEROPRODUKT ZRT.
Szegedi út 1., HU-6640 Csongrád, Hungary

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

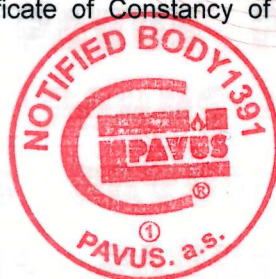
EN 12101- 8:2011

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 31st October 2014 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-0161/2014 of 31st October 2014 issued by NB 1391.

Prague, 19th October 2017




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

Technical parametres of the product *)

External dimension of the element (w x h):

- from min. (200 x 150) mm
- to max. (1 000 x 1 050) mm for BRK-J/EI90/M/HOT
- or to max. (1 500 x 1 500) mm for BRK-J/EI90/G/M/HOT

Starting devices and servo-drives:

- Belimo
- Gruner
- Schischek

Material version:

- SUPALUX M20/PROMATECT L500 - PROMATECT H20

Leak tightness of the damper according to EN 1751:

- over blade min. class 2
- over case min. class B

The classification according to EN 13501-4 *):

EI 120 (v_{edw}-h_{odw} - i↔o) S1000C₁₀₀₀₀ HOT400/30AAmulti**EI 90 (v_{edw}-h_{odw} - i↔o) S1000C₁₀₀₀₀ HOT400/30AAmulti****Accessories of the damper**

Additional part of Multiblade smoke control damper BRK-J/EI90/M/HOT or BRK-J/EI90/G/M/HOT should be also weather resistant grill, type **EV**.

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, E 90 < 360 m ³ /(h.m ²)	Conforms
- insulation (EI)	4.1.1 b), 4.4.1	EI 120, EI 90	Conforms
- smoke leakage (EIS)	4.1.1 c), 4.4.1	EIS 120, EIS 90 < 200 m ³ /(h.m ²)	Conforms
- mechanical stability (under E)	4.1.1 d)	120/90 min	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	120/90 min	Conforms
- high operational temperature	4.1.1 f), 4.4.1	HOT 400/30	Conforms
Durability			
- of response delay	4.4.2.1	< 60 s	Conforms
- of operational reliability	4.4.2.2	C 10 000, < 120 s	Conforms
Resistance against corrosion	5.3 Annex A	Increased resistance against corrosion - Salt spray exposure test (EN 60068-2-52)	Conforms

*) Detailed technical parametres and conditions of final classification according to EN 13501-4 are stated in the Assessment report of performance of the construction product No. P-1391-CPR-2017/0087 of 19th October 2017.

The Multiblade smoke control damper BRK-J/EI90/M/HOT and BRK-J/EI90/G/M/HOT fulfils also the prescribed requirements of the standard ÖNORM H 6033.



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