



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-2018/0025/O1

In compliance with Regulation (EU) No. 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Product regulation or CPR), this certificate applies to the construction product:

Multiblade fire damper FDML

EI 90 (ve l↔o) S
E 120 (ve l↔o) S
EI 120 (ve l↔o)

Fire dampers are used in conjunction with partitions to maintain fire compartments in heating, ventilation and air conditioning (HVAC) systems in buildings. All fire dampers close automatically in response to raised temperatures indicating fire.

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

MANDÍK, a.s.
Dobříšská 550, 267 24 Hostomice, Czech republic, ID 26718405

and produced in the manufacturing plant:

MANDÍK, a.s.
Dobříšská 550, 267 24 Hostomice, Czech Republic

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 19th March 2018. This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-2018/0025 of 19th March 2018 issued by NB 1391 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Prague, 25th Juni 2018




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

Technical parametres of the product *)

- External dimension of the element: from min. (200 x 300) mm to max. (1 000 x 1 000) mm
- Construction length: 150 mm
- Starting devices and drives: - Gruner – spring drive with starting device 72°C/95°C
 - Belimo – spring drive with starting device 72°C/95°C
 All used marks of drives fulfil 10 000 cycles according to EN 15650.
- Material versions: - galvanized sheet metal,
 - stainless sheet metal,
 - painted sheet metal.
- Leak tightness of the damper according to EN 1751:
 - over blades min. class 3
 - over case min. class B

The classification according to EN 13501-3+A1:2010 *):
EI 90 (ve i↔o) S
E 120 (ve i↔o) S
EI 120 (ve i↔o)

Assessing product performances

Essential characteristics	Requirement clauses in EN 15650	Findings	Conformity
Nominal activation conditions/sensitivity:	4.2.1.2		conforms
- sensing element load bearing capacity	4.2.1.2.2	Sensing element responses in accordance with cl. 5.2.5 EN 15650	conforms
- sensing element response temperature	4.2.1.2.3	Release mechanism is equipped with a sensing element in accordance with cl. 5.2.5 EN 15650	conforms
Response delay (response time) - closure time	4.2.1.3	< 2 min	conforms
Operational reliability - cycling	4.3.1, a)	50 cycles before test	conforms
Fire resistance:			
- integrity	4.1.1, a)	E 90, E 120	conforms
- insulation	4.1.1, b)	EI 90, EI 120	conforms
- smoke leakage	4.1.1, c)	EI 90 S, E 120 S	conforms
- mechanical stability (under E)	4.1.1, a)	E 90, E 120	conforms
- maintenance of the cross section (under E)	4.1.1, a)	E 90, E 120	conforms
Durability of response delay:			
- sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	Sensing element responses in accordance with cl. 5.2.5 EN 15650	conforms
Durability of operational reliability:			
- open and closing cycle tests	4.3.3.2	cycling 10 000	conforms

*) Detailed technical parametres and conditions of final classification according to EN 13501-3+A1:2010 are stated in the Assessment Report of performance of the construction product No. P-1391-CPR-2018/0025/O1 of 25th Juni 2018.

CE
1391 MANDÍK a.s., Dobříšská 550, 267 24 Hostomice, Czech Republic 18 1391 – CPR - 2018/0025/O1
EN 15650:2010 Fire damper type/model: Multiblade fire damper FDML
Classification: EI 90 (ve i↔o) S E 120 (ve i↔o) S EI 120 (ve i↔o)



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