PAVUS, a.s.
Notified Body No. 1391
Prosecká 412/74, 190 00 Praha 9 – Prosek
Authorization No. ÚNMZ/SPR/106/4000/18-7 from 20th November 2018

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2020/0003

In compliance with the Regulation (EU) No. 305/2011 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:

Fire damper FDMQ

Intended use of the product in buildings:
Fire dampers are used to maintain fire compartments and protect means of escape in case of fire 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 producer:

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 27th January 2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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, 27th January 2020

NOTIFIED BODY 1391 PAVUS, a.s.

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

Technical parameters and assessed performance are stated in the Annex No.1 of this Certificate of Constancy of Performance.

Technical parameters of the assessed product *)

External dimension of the element: min. (150 x 150) mm, max. (1 500 x 800) mm

Blade thickness: 40 mm

Construction length: 375 mm – 500 mm

Driving devices out off blade axis

Starting devices and drives: manual mechanism - fuse safety lock 72°C/104°C/147°C with closing spring
servo drive:
- Bellimo - spring drive with thermal release mechanism 72°C/95°C/120°C/140°C
- Gruner - spring drive with thermal release mechanism 72°C
- Schischek - spring drive with thermal release mechanism 72°C

All used types 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: leakage through blade – min class 3
case leakage - min. class C

The classification according to EN 13501-3:2004+A1:2009: **EI 90 (ve ho i↔o) S**
EI 120 (ve ho i↔o) S

Assessed product performance

Essential characteristics	Requirements of EN 15650	Findings	Conformity Assessment
Nominal activation conditions/sensitivity:	4.2.1.2	Comply with EN 15650, 4.2.1.2	conforms
– sensing element load bearing capacity	4.2.1.2.2	Comply with EN 15650, 5.2.5, ISO 10294-4:2001, 4.2	conforms
– sensing element response temperature	4.2.1.2.3	Comply with EN 15650, 5.2.5, ISO 10294-4:2001, 4.2	conforms
Response delay (response time): – closure time	4.2.1.3	< 2 min, according to EN 15650, 5.2.4, EN 1366-2, 10.4.6	conforms
Operational reliability: – cycling	4.3.1, a)	50 cycles performed prior to test	conforms
Fire resistance			
– integrity	4.1.1, a)	E	conforms
– insulation	4.1.1, b)	EI	conforms
– smoke leakage	4.1.1, c)	ES/EIS	conforms
– mechanical stability (under E)	4.1.1, a)	–	conforms
– maintenance of the cross section (under E)	4.1.1, a)	–	conforms
Durability of response delay: – sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	EN 15650, 4.2.1.2	conforms
Durability of operational reliability: – open and closing cycle tests	4.3.3.2	Cycling test performed (10 000+100+100 cycles) according to EN 15650, Annex C.3.2	conforms
Other characteristics			
Resistance against corrosion	4.2.2 Annex B	Salt spray exposure test (EN 60068-2-52) – no corrosion occurred	conforms

*) Detailed technical parameters and conditions of the fire classification according to EN 13501-3:2005+A1:2009 are stated in the Assessment Report of Performance of the Construction product No. P-1391-CPR-2020/0003 of 27th January 2020.

Fire damper FDMQ fulfils also requirements of standard ÖNORM H 6025, see Assessment Report of Performance of the Construction product No. P-1391-CPR-2020/0003 of 27th January 2020.

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MANDÍK a.s.,

Dobříšská 550, 267 24 Hostomice, CZ

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EN 15650

Fire damper

type/model: Fire damper FDMQ

Classification
EI 90 (ve ho i↔o) S
EI 120 (ve ho i↔o) S

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Ing. Jaroslav Dufek
Managing Director PAVUS a.s.
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