

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

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2020/0130/O1**

In compliance with 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 FDML**

**Intended use:** To be used in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations

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**

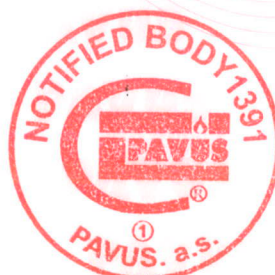
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

### **constancy of performance of the construction product.**

This Certificate was first issued on 19<sup>th</sup> March 2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-2020/0130 of 20<sup>th</sup> August 2020 issued by NB 1391.**

Prague 30<sup>th</sup> December 2021



  
**Ing. Jan Tripes**  
executive director – NB 1391



**Technical parameters of the assessed product <sup>\*)</sup>**

External dimension of the element: min. (200 x 300) mm – max. (1 000 x 1 000) mm

Construction length: 150 mm

Starting devices and drives: Gruner – spring drive with thermal release mechanism 72°C/95°C  
Belimo – spring drive with thermal release mechanism 72°C/95°C

10 000 cycles according to EN 15650 fulfilled for all used drives

Material versions: galvanized sheet metal  
stainless sheet metal  
painted sheet metalLeak tightness of the damper according to EN 1751:2014: leakage through blade – class 3  
case leakage – class BThe classification according to EN 13501-3+A1:2009: **EI 90 (ve i↔o) S**  
**E 120 (ve i↔o) S**  
**EI 120 (ve i↔o)****Assessed product performance**

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

<sup>\*)</sup> Detailed technical parameters and conditions of the final classification according to EN 13501-3+A1:2009 are stated in the Assessment Report of Performance of the Construction product No. P-1391-CPR-2020/0130 of 20<sup>th</sup> August 2020.



*T. L.*  
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