



**PAVUS, a.s.**  
Notified Body No. 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-2020/0129/O1**

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 CFDM and CFDM-V**

#### **Intended use of the product in the building**

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 company name or trade mark of producer:

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

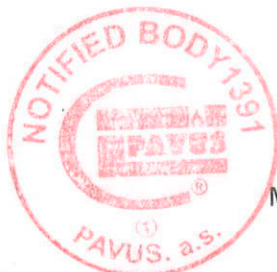
under system 1 for the performance set out in this certificate are applied and that the factory production control carried out by the manufacturer is assessed to ensure the

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

This Certificate was first issued on 8<sup>th</sup> June 2016 and remains valid until the harmonised standard, the construction product, the assessment and verification procedures for constancy of performance or the manufacturing conditions in the plant of manufacture are significantly modified or the notified product certification body amends or cancels the certificate.

**This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-2020/0129 of 20<sup>th</sup> August 2020 issued by NB 1391.**

Prague, 18<sup>th</sup> September 2020



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



**Technical parameters of the assessed product <sup>1)</sup>**

External dimension of the element: min. Ø 100 mm – max. Ø 200 mm  
 Construction length: 64 mm – CFDM  
 114 mm – CFDM-V  
 Starting devices and drives: fuse safety lock 72°C with closing spring  
 Material versions: galvanized sheet metal  
 stainless sheet metal  
 painted sheet metal

The classification according to EN 13501-3+A1<sup>\*)</sup>:

**EI 60 (ve ho i↔o) S**  
**EI 90 (ve ho i↔o) S**  
**EI 120 (ve i↔o) S**

**Assessed product performance**

Essential characteristics	Requirement clauses in EN 15650	Findings	Conformity Assessment
Nominal activation conditions/sensitivity:	4.2.1.2	–	conforms
– sensing element load bearing capacity	4.2.1.2.2	–	conforms
– sensing element response temperature	4.2.1.2.3	–	conforms
Response delay (response time):	4.2.1.3	–	conforms
– closure time	4.2.1.3	–	conforms
Operational reliability:	4.3.1, a)	0 cycles	conforms
– cycling	4.3.1, a)	0 cycles	conforms
<b>Fire resistance</b>			
– integrity	4.1.1, a)	E	conforms
– insulation	4.1.1, b)	EI	conforms
– smoke leakage	4.1.1, c)	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:	4.2.1.2.2	–	conforms
– sensing element response to temperature and load bearing capacity	4.2.1.2.3	–	conforms
Durability of operational reliability:	4.3.3.2	–	NPD
– open and closing cycle tests	4.3.3.2	–	NPD
<b>Other characteristics</b>			
Resistance against corrosion	4.2.2 Annex B	Salt spray exposure test (EN 60068-2-52) – no corrosion occurred	conforms

<sup>1)</sup> Detailed technical parameters and conditions of the final classification according to EN 13501-3+A1 are stated in the Assessment Report of Performance of the Construction product No. P-1391-CPR-2020/0129 of 20<sup>th</sup> August 2020.

<b>CE</b>
1391 MANDÍK a.s. Dobříšská 550, 267 24 Hostomice, CZ 20 1391 – CPR - 2020/0129/O1
EN 15650 Fire damper type/model: Fire damper CFDM and CFDM-V
Classification EI 60 (ve ho i↔o) S EI 90 (ve ho i↔o) S EI 120 (ve i↔o) S



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