



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

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2018/0129**

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 certificates applies to the construction product:

### **Fire damper CFDM and CFDM-V**

EI 60 (ve ho i→o) S  
EI 90 (ve ho i→o) S  
EI 120 (ve i→o) S

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, CZ-267 24 Hostomice, Czech republic, ID 26718405**

and produced in the manufacturing plant:

**MANDÍK, a.s.**  
**Dobříšská 550, CZ-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 8<sup>th</sup> June 2016. This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-2016/0082 of 8<sup>th</sup> June 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 13<sup>th</sup> June 2018



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

### Technical parametres of the product \*)

- External dimension of the element: circular from min. diameter 100 mm to max. diameter 200 mm
- Construction length: - 64 mm for type CFDM  
- 114 mm for type CFDM-V
- Thermal release element: safety fuse 72°C with closing spring
- Material versions: - galvanized sheet metal,  
- stainless sheet metal,  
- painted sheet metal.


The classification according to EN 13501-3+A1:2010 \*):

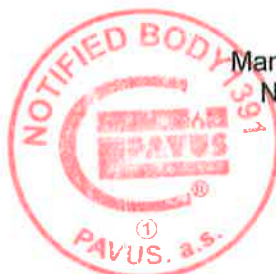
**EI 60 (ve ho i↔o) S**  
**EI 90 (ve ho i↔o) S**  
**EI 120 (ve i↔o) S**

### Assessing product performances

Essential characteristics	Requirement clauses in EN 15650	Levels and/or classes	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			
Operational reliability:	4.3.1, a)	Cycling 0	conforms
- cycling			
<b>Fire resistance</b>			
- integrity	4.1.1, a)	E 60, E 90, E 120	conforms
- insulation	4.1.1, b)	EI 60, EI 90, EI 120	conforms
- smoke leakage	4.1.1, c)	E 60 S, E 90 S, E 120 S EI 60 S, EI 90 S, EI 120 S	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	-	
Durability of operational reliability:	4.3.3.2	-	NPD
- open and closing cycle tests			

\*) 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-2018/0129 of 13<sup>th</sup> June 2018.


1391 MANDIK a.s., Dobříšská 550, CZ-287 24 Hostomice, Czech rep. 16 1391 – CPR - 2018/0129
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



  
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