



**PAVUS, a.s.**  
Notified Body No. 1391  
Prosecká 412/74, 190 00 Praha 9 - Prosek  
Decision No. 27/2013-CPR of 13<sup>th</sup> December 2013

## CERTIFICATE OF CONSTANCY OF PERFORMANCE

**No. 1391-CPR-2016/0082**

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

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, under methods of use and installation conditions stated in Certification report and related documentation. 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

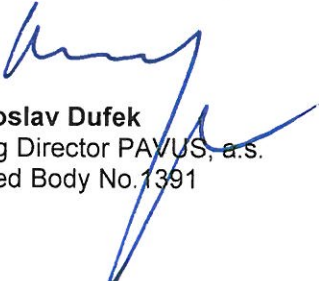
### EN 15650:2010

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 8<sup>th</sup> June 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 8<sup>th</sup> June 2016



  
**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  
 Starting devices: fuse safety lock 72°C with closing spring  
 Material versions: - galvanized sheet metal,  
 - painted sheet metal.


The classification according to EN EN 13501-3:2005+A1:2009 \*):

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

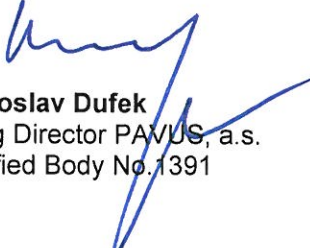
### Assessing product performances

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			
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:	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 13501-3:2005+A1:2009 are stated in the Assessment Report of performance of the construction product No. P-1391-CPR-2016/0082 of 8<sup>th</sup> June 2016.


1391
MANDIK a.s., Dobříšská 550, 267 24 Hostomice, Czech Republic 16 1391 – CPR - 2016/0082 PM/CFDM/01/16/1
EN 15650:2010 Fire damper type/model: Fire damper CFDM
Classification: EI 60 (ve ho i↔o) S EI 90 (ve ho i↔o) S EI 120 (ve i↔o) S



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