

## Declaration of Performance

issued acc. to attachment III of EU directive No. 305/2011

### No. PM/FDMS\_FDMS-VAV/01/19/1

**1. Unique identification code of product type:**

Fire damper FDMS and FDMS-VAV

**2. Intended uses:**

The fire dampers serves for elimination of fire and smoke spreading according to EN 15650:2010 available with fire resistance EIS 60, only round design.

The fire dampers can be installed inside/outside the solid/light standard construction in vertical/horizontal position with using of materials: dry installation materials, or gypsum, mortar, concrete. Exact description of installation is stated in related documentation TPM 125/17, rev. 2, issued on 31<sup>st</sup> of January 2019.

**3. Manufacturer:**

MANDÍK, a.s., Dobříšská 550, 26724, Hostomice, Czech Republic

VAT: CZ26718405, phone: +420 311 706 706, e-mail: [mandik@mandik.cz](mailto:mandik@mandik.cz), website: [www.mandik.com](http://www.mandik.com)

**4. Authorized representative:**

Not relevant

**5. Assessment and verification system of constancy of building product:**

System 1

**6a) Harmonised standard:**

EN 15650:2010

**Notified body:**

PAVUS, a.s., Notified body no. 1391, Prosecká 412/74, 190 00 Praha 9, VAT: CZ60193174

**6b) European Assessment Document:**


Not relevant

## 7. Declared properties

### Assessed characteristics of the product

Essential characteristics	Requirements of EN 15660	Findings <sup>1)</sup>	Conformity Assessment
Nominal activation conditions/sensitivity:	4.2.1.2		
- sensing element load bearing capacity	4.2.1.2.2	Comply with EN 15650, 5.2.5	conforms
- sensing element response temperature	4.2.1.2.3	Comply with EN 15650, 5.2.5	conforms
Response delay (response time):			
- closure time	4.2.1.3	< 2 min	conforms
Operational reliability:			
- cycling	4.3.1, a)	50 cycles performed prior to test	conforms
<b>Fire resistance</b>			
- integrity	4.1.1, a)	E 120, E 90, E 60, E 45	conforms
- insulation	4.1.1, b)	EI 90, EI 60, EI 45	conforms
- smoke leakage	4.1.1, c)	EI 90 S, EI 60 S, EI 45 S	conforms
- mechanical stability (under E)	4.1.1, a)	-	NPD
- maintenance of the cross section (under E)	4.1.1, a)	-	NPD
Durability of response delay:			
- sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	Sensing element of release mechanism responds to temperature and load according to EN 15650, cl. 5.2.5	conforms
Durability of operational reliability:			
- open and closing cycle tests	4.3.3.2	Cycling test performed (10 000+10 000 cycles) according to EN 15650, Annex C.3.3	conforms

<sup>1)</sup> Detailed technical parameters, fire classification and conditions of final classification according to EN 13501-3:2005+A1:2009 are stated in the Certification Report No. P-1391-CPR-2019/0023 of 14th February 2019.

 <b>1391</b>
<b>MANDÍK a.s.,</b> Dobříšská 550, 267 24 Hostomice, Czech Republic 19 1391 – CPR - 2019/0023
<b>EN 15650:2010</b> <b>Fire damper</b> type/model: fire damper FDMS
Classification: EI 45 (ve I→0) S EI 60 (ve ho I→0) S EI 90 (ve I→0)

## 8. Relevant technical documentation and/or specific technical documentation:

OS 1391 PAVUS, a.s. issued the certificate of constancy of performance no. 1391-CPR-2019/0023 dated 14.2.2019.

The manufacturer declares on his sole responsibility, that the above specified product is in conformity with the declared properties.

Signed for and on behalf of the manufacturer by:

In Hostomice, 14.2.2019

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 Marcel Mandík  
 CEO, MANDÍK, a.s.  
  
 MANDÍK, a.s.  
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