

## Declaration of Performance

Issued acc. to attachment III of EU directive no. 305/2011

No. PM/SEDM/01/17/1

1. **Unique identificatio code of product type:**  
Smoke control damper SEDM  
(It can be manufactured also marketed under the tradename MULTI EKM)
2. **Intended uses:**  
Smoke control dampers that are able to be used in smoke and heat control system under fire conditions, see document TPM 087/12, rev. 7 dated 21.11.2017 for details.
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. **Assesment and verification system of constancy of building product:**  
System 1
- 6a) **Harmonised standard:**  
EN 12101-8:2011  
**Notified body:**  
PAVUS, a.s., Notified body no. 1391, Prosecká 412/74, 190 00 Praha 9, VAT: 60193174 performed determination the product type on the basis of type testing – initial inspection of the manufacturing plant and of factory production control, continuous surveillance, assesment and evaluation of the factory production control (FPC) under system 1 and issued Certificate mentioned under point 8.
- 6b) **European Assessment Document:**  
Not relevant
7. **Declared properties**

### Assessing product performances

Essential characteristics	Requirement clauses in EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	4.2.1.3	Closure/opening during the test in right time during right period.	Conforms
Response delay(response time)	4.2.1.4	< 60 s	Conforms
Operational reliability	4.4.2.2	C 10 000	Conforms
<b>Fire resistance</b>			
- integrity (E)	4.1.1 a), 4.4.1	E 120, E 90 < 360 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- insulation (EI)	4.1.1 b), 4.4.1	EI 120, EI 90	Conforms
- smoke leakage (EIS)	4.1.1 c), 4.4.1	EIS 120, EIS 90 < 200 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- mechanical stability (under E)	4.1.1 d)	120/90 min	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	120/90 min	Conforms
- high operational temperature	4.1.1 f), 4.4.1	HOT 400/30	Conforms
<b>Durability</b>			
- of response delay	4.4.2.1	< 60 s	Conforms
- of operational reliability	4.4.2.2	C 10 000, < 120 s	Conforms

The classification according to EN 13501-4:2007+A1:2009 \*):

horizontal duct:	EI 120 (v <sub>ed</sub> -i↔o) S1000C <sub>10000</sub> AAmulti EI 120 (v <sub>ed</sub> -i↔o) S1000C <sub>10000</sub> MAmulti
vertical duct:	EI 120 (h <sub>od</sub> -i↔o) S1000C <sub>10000</sub> AAmulti EI 120 (h <sub>od</sub> -i↔o) S1000C <sub>10000</sub> MAmulti
walls:	EI 120 (v <sub>ew</sub> -i↔o) S1000C <sub>10000</sub> AAmulti EI 90 (v <sub>ew</sub> -i↔o) S1500C <sub>10000</sub> AAmulti EI 90 (v <sub>ew</sub> -i↔o) S1500C <sub>10000</sub> MAmulti **)
ceiling:	EI 120 (h <sub>ow</sub> -i↔o) S1000C <sub>10000</sub> AAmulti EI 90 (h <sub>ow</sub> -i↔o) S1500C <sub>10000</sub> AAmulti EI 90 (h <sub>ow</sub> -i↔o) S1500C <sub>10000</sub> MAmulti **)

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

OS 1391 PAVUS, a.s. issued the certificate of constancy of performance no. 1391-CPR-2015/0128 dated 24.7.2015

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:

**MANDÍK**  
MANDÍK, a.s.  
187 04 Hostomice, Dobříšská 550  
www.mandik.cz

Marcel Mandík  
CEO, MANDÍK, a.s.

In Hostomice, 21.11.2017