



**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-2020/0093**

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:

## **Smoke control damper SEDM-L**

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

Multi compartment smoke control dampers are used in smoke and heat control systems at 600° C or under fire conditions

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, 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

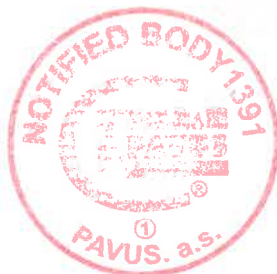
**EN 12101-8:2011**

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 26<sup>th</sup> June 2020 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.

Prague, 26<sup>th</sup> June 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. (200 × 430) mm, max. (1 200 × 2 030) mm

Starting devices and drives: Belimo

Leak tightness of the damper according to EN 1751: leakage through blade – min class 3  
case leakage - min. class C

Underpressure 1000 Pa, overpressure 500 Pa

The classification according to EN 13501-4:2016 <sup>1)</sup>:

In rigid supporting construction and on the duct in rigid supporting construction:

**EI 90 (v<sub>edw</sub> - i↔o)S1000C<sub>mod</sub>HOT400/30MAmulti**

On the duct in rigid supporting construction:

**EI 120 (v<sub>ed</sub> - i↔o)S1000C<sub>mod</sub>HOT 400/30MAmulti**

In flexible supporting construction and on the duct in flexible supporting construction:

**EI 120 (v<sub>edw</sub> - i↔o)S1000C<sub>mod</sub>HOT 400/30MAmulti**

### Assessed product performance

Essential characteristics	Requirements of EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	cl. 4.2.1.3	Closing / opening during the test at the right time	Conforms
Response delay (response time)	cl. 4.2.1.4	< 60 s	Conforms
Operational reliability	cl. 4.4.2.2	C <sub>mod</sub>	Conforms
Fire resistance – integrity	cl. 4.1.1 a)	E 120, E 90 < 360 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
Fire resistance – insulation	cl. 4.1.1 b)	EI 120, EI 90	Conforms
Fire resistance – smoke leakage	cl. 4.1.1 c)	EI 120 S1000, EI 90 S1000 < 200 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
Fire resistance – mechanical stability (under E)	cl. 4.1.1 d)	120/90 min	Conforms
Fire resistance – maintenance of cross-section (under E)	cl. 4.1.1 e)	120/90 min	Conforms
Fire resistance – high operational temperature	cl. 4.1.1 f)	HOT 400/30	Conforms
Durability of response delay	cl. 4.4.2.1	< 60 s	Conforms
Durability of operational reliability	cl. 4.4.2.2	C <sub>mod</sub> < 120 s	Conforms

<sup>1)</sup> Detailed technical parameters and conditions of the final classification according to EN 13501-4:2016 are stated in the Assessment Report of Performance of the Construction product No. P-1391-CPR-2020/0093 of 26<sup>th</sup> June 2020.

<b>CE</b>
1391
<b>MANDÍK a.s.,</b> Dobříšská 550, 267 24 Hostomice, CZ 20 1391 - CPR - 2020/0093
EN 12101-8 <b>Smoke control damper</b> type/model: Smoke control damper SEDM-L
<b>Classification</b> EI 90 (v <sub>edw</sub> - i↔o)S1000C <sub>mod</sub> HOT400/30MAmulti EI 120 (v <sub>ed</sub> - i↔o)S1000C <sub>mod</sub> HOT 400/30MAmulti EI 120 (v <sub>edw</sub> - i↔o)S1000C <sub>mod</sub> HOT 400/30MAmulti



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