



**PAVUS**<sup>®</sup>  
FIRE TESTING INSTITUTE

**PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek, Czech Republic**  
**Notified Body 1391 Authorization No. ÚNMZ/SPR/012/4000/22-15 from 10<sup>th</sup> August 2022**

# **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2024/0041**

In compliance with 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**

**to be used in smoke control systems, in multi-compartment applications,  
either up to 600 °C or at fire temperatures  
placed on the market under the name or trade mark of:**

**Mandík, a.s.**

**Dobříšská 550, 267 24 Hostomice, Czech Republic, 26718405**

and produced in the manufacturing plant:

**Mandík, a.s.**

**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 conducted by the manufacturer is assessed to ensure the

**constancy of performance of the construction product.**

This Certificate was first issued on 20<sup>th</sup> February 2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

**This Certificate replaces and cancels Certificate of Constancy of Performance No. 1391-CPR-2021/0009 of 11<sup>th</sup> January 2021 issued by NB 1391.**

Prague 20. February 2024



**Ing. Jan Tripes**  
executive director – NB 1391

**Technical parameters of the assessed product \*)**

Nominal dimensions: Min: 200×430 mm, max: 1200×2030 mm

Damper blade thickness: 40 mm

Construction length: 250 mm

Actuators:

– Belimo BLE(BEN), 15 N·m / BEE, 25 N·m /BE, 40 N·m

Aerodynamic characteristics in accordance with EN 1751:2014:

– Leakage through damper body: **Class C**

– Leakage through damper blade: **Class 3**

Test under pressure: **300 Pa**

Fire resistance classification in accordance with EN 13501-4:2016<sup>\*)</sup>:

**EI 120 (v<sub>edw</sub> -h<sub>od</sub> - i↔o)S1000C<sub>mod</sub>HOT400/30 MAMulti**

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

**Assessed product performance**

Essential characteristics	Requirement clauses in EN 12101-8	Findings
Nominal activation conditions/sensitivity	4.2.1.3	Conforms 4.2.1.3
Response delay (response time)	4.2.1.4	Conforms 4.2.1.4
Operation reliability	4.3.2.2	C <sub>mod</sub> , loaded
Fire resistance – integrity	4.1.1 a), 4.4.1	E
Fire resistance – insulation	4.1.1 b), 4.4.1	EI
Fire resistance – smoke leakage	4.1.1 c), 4.4.1	ES EIS
Fire resistance – mechanical stability (under E)	4.1.1 d)	-
Fire resistance – maintenance of the cross section (under E)	4.1.1 e)	-
Fire resistance – high operating temperature	4.1.1 f), 4.4.1	HOT 400/30
Durability - response delay	4.4.2.1	Conforms 4.4.2.1
Durability - operational reliability	4.4.2.2	C <sub>mod</sub> , loaded

<sup>\*)</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-2024/0041 of 20. February 2024.



*Jan Tripes*  
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