



PAVUS[®]
FIRE TESTING INSTITUTE

PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek, Czech Republic
Notified Body 1391 Authorization No. SPR/030/4000/24-12 from 16th August 2024

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2024/0141

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

**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

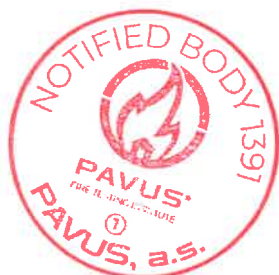
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This Certificate was first issued on 24th July 2015 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-2024/0070 of 9th April 2024 issued by NB 1391.

Prague 28. August 2024



Jan TRIPES, MBA
executive director – NB 1391

Technical parameters of the assessed product *)

Nominal dimensions: Min: 180×180 mm, max: 1600×1000 mm

Damper blade thickness: 60 mm

Construction length: 500 mm – 1 000 mm (with flanges 600 mm – 1 100 mm)

Actuators:

- Belimo: BLE/BEN (15 Nm) / BEE (25 Nm) / BE (40 Nm)
- Schischek: InMax 50.75 (75 Nm)

Aerodynamic characteristics in accordance with EN 1751:2014:

- Leakage through damper body: **Class C**
- Leakage through damper blade: **Class 3**

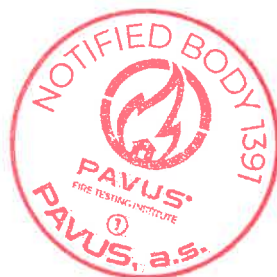
Under pressure / over pressure: up to **1500 Pa / 500 Pa**Fire resistance classification in accordance with EN 13501-4:2016^{*)}:

EI 120 (v_{edw}-h_{odw}-i↔o) S1000C_{mod}HOT400/30MAmulti
EI 120 (v_{ew}-h_{ow}-i↔o) S1500C_{mod}HOT400/30MAmulti

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 _{mod} , loaded
Fire resistance		
- integrity	4.1.1 a), 4.4.1	E
- insulation	4.1.1 b), 4.4.1	EI
- smoke leakage	4.1.1 c), 4.4.1	ES EIS
- mechanical stability (under E)	4.1.1 d)	-
- maintenance of the cross section (under E)	4.1.1 e)	-
- 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 _{mod} , loaded

*) 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-2024/0141 of 28. August 2024.




Jan TRIPES, MBA
 executive director – NB 1391