



PAVUS, a.s.
Notified Body No. 1391
Prosecká 412/74, 190 00 Praha 9 – Prosek
Authorization No. ÚNMZ/SPR/106/4000/18-7 from 20th November 2018

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1391-CPR-2020/0188

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 SEDS-R

Intended use of the product in the building:

Single compartment smoke control dampers that are to be used in smoke control systems at temperatures up to 600 °C

placed on the market under the name or trade mark of:

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

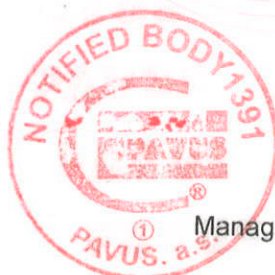
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

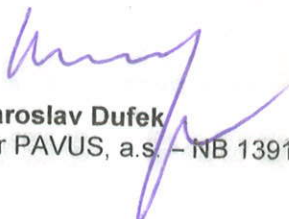
constancy of performance of the construction product.

This Certificate was first issued on 10th October 2016 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-2016/0143 of 10th October 2016 issued by NB 1391.

Prague 8th December 2020




Ing. Jaroslav Dufek
Managing Director PAVUS, a.s. – NB 1391

Technical parameters of the assessed product ^{*)}External dimension of the element: max. \varnothing 630 mm, min. \varnothing 100 mm

Construction length: 220 mm

Starting devices and drives: Belimo

Material versions:
- galvanized sheet metal
- stainless sheet metal
- painted sheet metal

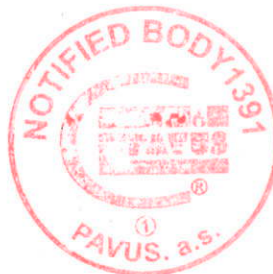
Underpressure 1500 Pa, overpressure 500 Pa

Leak tightness of the damper according to EN 1751: leakage through blade – min. class 4, for \varnothing 100 mm - class 3Classification according to EN 13501-4:2016 ^{*)}:**E₆₀₀ 120 (v_e - i↔o) S1500C_{mod}MA_{single}****Assessed product performance**

Essential characteristics	Requirement clauses in 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. 4.3.2.2	C _{mod}	Conforms
Fire resistance – integrity	c. 4.1.1 a)	E ₆₀₀ 120, < 360 m ³ /(h.m ²)	Conforms
Fire resistance – insulation	cl. 4.1.1 b)	For single compartment dampers is not required/declared	-
Fire resistance – smoke leakage	cl. 4.1.1 c)	E ₆₀₀ 120 S1500 < 200 m ³ /(h.m ²)	Conforms
Fire resistance – mechanical stability (under E)	cl. 4.1.1 d)	120 min	Conforms
Fire resistance – maintenance of cross-section (under E)	cl. 4.1.1 e)	120 min	Conforms
Fire resistance – high operational temperature	cl. 4.1.1 f)	NPD	NPD
Durability of response delay	cl. 4.3.2.1	< 60 s	Conforms
Durability of operational reliability	cl. 4.3.2.2.	C _{mod} < 120 s	Conforms

^{*)} 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-2020/0188 of 8th December 2020.

CE
1391 MANDÍK a.s. Dobříšská 550, 267 24 Hostomice, Czech Republic 20 1391 – CPR – 2020/0188
EN 12101-8:2011 Smoke control damper type/model: Smoke control damper SEDS-R
Classification E ₆₀₀ 120 (v _e -i↔o) S1500C _{mod} MA _{single}



[Signature]
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