



PAVUS, a.s.
Notified Body 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-2021/0010

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

Intended use of the product in the building:

Single compartment smoke control damper that is 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 28th January 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-2016/0009 of 28th January 2016 issued by NB 1391.

Prague January 2021




Ing. Jan Tripes
executive director – NB 1391

Technical parameters of the assessed product ^{*)}

External dimension of the element: min. (180 × 180) mm, max. (1 600 × 1 000) mm

Construction length: 450 mm

Starting devices and drives: Belimo
SchischekMaterial versions: galvanized sheet metal
stainless sheet metal
painted sheet metal

Underpressure 1000 Pa, overpressure 500 Pa

Leak tightness of the damper according to EN 1751: leakage through blade – min. class 2
case leakage - min. class CClassification according to EN 13501-4:2016 ^{*)}: **E₆₀₀ 90 (v_{ed} - i↔o) S1000C₃₀₀AAsingle****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	C300	Conforms
Fire resistance – integrity	cl. 4.1.1 a)	E ₆₀₀ 90 < 360 m ³ /(h.m ²)	Conforms
Fire resistance – insulation	cl. 4.1.1 b)	For single compartment dampers not required/declared	–
Fire resistance – smoke leakage	cl. 4.1.1c)	E ₆₀₀ 90 S1000 < 200 m ³ /(h.m ²)	Conforms
Fire resistance – mechanical stability (under E)	cl. 4.1.1 d)	90 min	Conforms
Fire resistance – maintenance of cross-section (under E)	cl. 4.1.1 e)	90 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	C300 < 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-2021/0010 of 11th January 2021.



Jan Tripes
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