



**PAVUS, a.s.**

Notified Body No. 1391

Prosecká 412/74, 190 00 Praha 9 - Prosek

Decision No. 27/2013-CPR of 13<sup>th</sup> December 2013

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2016/0199**

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

### **Multiblade smoke control damper SEDS-L**

**E<sub>600</sub> 120 (V<sub>e</sub> - i→o) S1500C<sub>10000</sub>MA<sub>single</sub>**

Smoke control dampers that are to be used in smoke control systems, either at 600 °C or under fire conditions

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

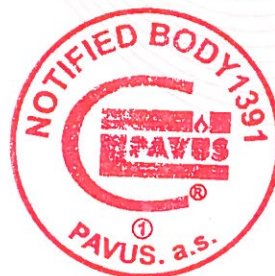
### **EN 12101- 8:2011**

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 22<sup>nd</sup> December 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Prague, 22<sup>nd</sup> December 2016



**Jaroslav Dufek**  
Managing Director PAVUS, a.s.  
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**Technical parametres of the product \***

External dimension of the element: from min. (200 x 200) mm to max. (1 200 x 1 200) mm  
 Construction length: 220 mm  
 Starting devices and drives: - Belimo  
 Material versions: - galvanized sheet metal,  
 - stainless sheet metal.  
 Leak tightness of the damper according to EN 1751:  
 - over blade min. class 3

The classification according to EN 13501-4:2007+A1:2009 \*):

**E<sub>600</sub> 120 (v<sub>e</sub>-i↔o) S1500C<sub>10000</sub>MAsingle**

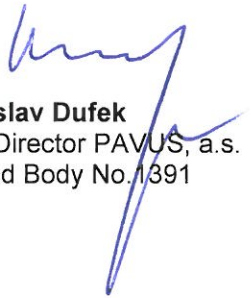
**Assessing product performances**

Essential characteristics	Requirement clauses in EN 12101-8	Findings	Conformity Assessment
Nominal activation conditions/sensitivity	4.2.1.3	Closure/opening during the test in right time during right period.	Conforms
Response delay(response time)	4.2.1.4	< 60 s	Conforms
Operational reliability	4.3.2.2	C 10 000	Conforms
<b>Fire resistance</b>			
- integrity (E)	4.1.1 a), 4.3.1	E <sub>600</sub> 120 < 360 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- insulation (EI)	-	For single compartment dampers is not required/declared.	-
- smoke leakage (ES)	4.1.1 c), 4.3.1	E <sub>600</sub> 120 S1500 < 200 m <sup>3</sup> /(h.m <sup>2</sup> )	Conforms
- mechanical stability (under E)	4.1.1 d)	120 min	Conforms
- maintenance of cross-section (under E)	4.1.1 e)	120 min	Conforms
- high operational temperature	4.1.1 f), 4.3.1	No performance determined	NPD
<b>Durability</b>			
- of response delay	4.3.2.1	< 60 s	Conforms
- of operational reliability	4.3.2.2	C 10 000, < 120 s	Conforms

\*) Detailed technical parametres and conditions of final classification according to EN 13501-4:2007+A1:2009 are stated in the Assessment Report of performance of the construction product No. P-1391-CPR-2016/0199 of 22<sup>nd</sup> December 2016.


1391 MANDIK a.s., Dobříšská 550, 267 24 Hostomice, Czech republic 16 1391 – CPR - 2016/0199
EN 12101-8:2011 Single compartment smoke control damper type/model: Smoke control damper SEDS-L
Classification E <sub>600</sub> 120 (v <sub>e</sub> -i↔o) S1500C <sub>10000</sub> MAsingle



  
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