



**PAVUS, a.s.**  
Notified Body No. 1391  
Prosecká 412/74, 190 00 Praha 9 - Prosek  
Decision No. 6/2016-CPR of 25<sup>th</sup> January 2017

## **CERTIFICATE OF CONSTANCY OF PERFORMANCE**

**No. 1391-CPR-2018/0073**

In compliance with Regulation 305/2011/EU of European Parliament and of the Council of 9 March 2011 (the Construction Product regulation or CPR), this certificate applies to the construction product:

### **Single compartment smoke extraction duct SMOKEDUKE**

E<sub>600</sub> 120 (h<sub>a</sub>) S1500single

Single compartment smoke control duct sections that are to be used in smoke control systems at 600 °C.

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

**PK Kanavat Oy**  
Vanha Mikkelintie 24 a, FIN-76100 Pieksämäki, Finland, ID: FI07019863

and produced in the manufacturing plant:

**PK Kanavat Oy**  
Vanha Mikkelintie 24 a, FIN-76100 Pieksämäki, Finland

This Certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

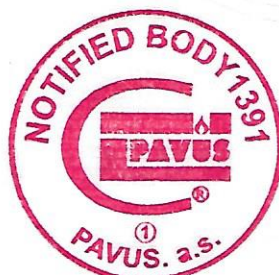
### **EN 12101-7:2011**

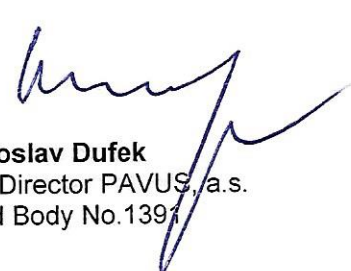
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

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

This Certificate was first issued on 29<sup>th</sup> March 2018 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 29<sup>th</sup> March 2018



  
**Jaroslav Dufek**  
Managing Director PAVUS, a.s.  
Notified Body No. 1391

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

Cross section: rectangular duct with max. dimensions (width x height) (1 250 x 1 000) mm

Material versions: galvanized sheet metal thickness 1 mm, quality: DX51D + Z275MBC

It is valid for duct with max. underpressure to -1 500 Pa to max. overpressure to +500 Pa

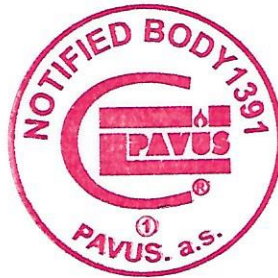
The classification according to EN 13501-4:2017 \*):

**E<sub>600</sub> 120 (h<sub>o</sub>) S1500single**

**Essential characteristics**

Essential characteristics	Requirement clauses in EN 12101-7	Findings	Conformity Assessment
<b>Fire resistance</b>			
- integrity (E)	4.1.2 a), 4.4.1	E <sub>600</sub> 120 Leakage 0,66 m <sup>3</sup> /h.m <sup>2</sup> < limit 10 m <sup>3</sup> /h.m <sup>2</sup>	Conforms
- insulation	no requirement	For single compartment smoke extraction duct is not declared.	-
- smoke leakage (ES)	4.1.2 b), 4.4.1	E <sub>600</sub> 120 S1500 Leakage 0,66 m <sup>3</sup> /h.m <sup>2</sup> < limit 5 m <sup>3</sup> /h.m <sup>2</sup>	Conforms
- mechanical stability (under E)	4.1.2 c)	132 minutes, no failure	Conforms
- maintenance of cross-section (under E)	4.1.2 d)	132 minutes, no failure	Conforms

\*) Detailed technical parameters and conditions of final classification according to EN 13501-4:2017 are stated in the Assessment Report of performance of the construction product No. P-1391-CPR-2018/0073 of 29<sup>th</sup> March 2018.



*[Signature]*  
**Ing. Jaroslav Dufek**  
 Managing Director PAVUS a.s.  
 Notified Body No.1391