



**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-2018/0205**

In compliance with Regulation (EU) No. 305/2011/EU 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:

**Fire damper**  
**Halton Exe Fold Circular, EI 120 S (EFC)**

**Technical parameters of the product:**  
are stated in the Annex No. 1 of this Certificate of constancy of performance

**Intended use of the product in buildings:**

Fire dampers are used in conjunction with partitions to maintain fire compartments and protect means of escape in case of fire in heating, ventilation and air conditioning (HVAC) systems in buildings, under methods of use and installation conditions stated in Certification report and related documentation. All fire dampers close automatically in response to raised temperatures indicating fire.

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

**Halton Oy**  
**Haltonintie 1-3, FI-47400 KAUSALA, Finland, Id No: FI 18404345**

and produced in the manufacturing plant:

**code: Hal 26724**

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

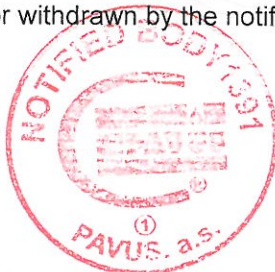
**EN 15650:2010**

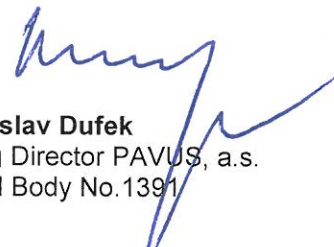
under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

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

This certificate was first issued on 24th October 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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, 24th October 2018



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

### Technical parameters of the product <sup>1)</sup>

External dimension of the element: circular from min. diameter 100 mm to max. diameter 200 mm  
 Construction length: 64 mm  
 Thermal release element: safety fuse 72 °C with closing spring  
 Material versions: - galvanized sheet metal  
 - stainless sheet metal  
 - painted sheet metal

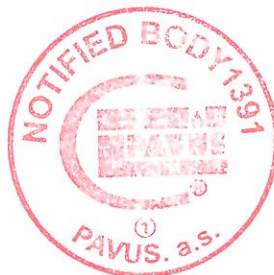
The classification according to EN 13501-3:2005+A1:2009:

**EI 60 (ve ho i↔o) S**  
**EI 90 (ve ho i↔o) S**  
**EI 120 (ve i↔o) S**

### Assessed characteristics of the product

Essential characteristics	Requirements of EN 15650	Findings <sup>1)</sup>	Conformity Assessment
Nominal activation conditions/sensitivity:	4.2.1.2	Comply with EN 15650, 4.2.1.2	conforms
- sensing element response temperature	4.2.1.2.2	Comply with EN 15650, 5.2.5, ISO 10294-4:2001, 4.2	conforms
- sensing element load bearing capacity	4.2.1.2.3	Comply with EN 15650, 5.2.5, ISO 10294-4:2001, 4.2	conforms
Response delay (response time): - closure time	4.2.1.3	< 2 min, according to EN 15650, 5.2.4, EN 1366-2, 10.4.6	conforms
Operational reliability: - cycling	4.3.1, a)	-	NPD
<b>Fire resistance</b>			
- integrity	4.1.1, a)	E	conforms
- insulation	4.1.1, b)	EI	conforms
- smoke leakage	4.1.1, c)	ES/EIS	conforms
- mechanical stability (under E)	4.1.1, a)	-	NPD
- maintenance of the cross section (under E)	4.1.1, a)	-	NPD
Durability of response delay: - sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	Requirements on sensing element fulfilled according to EN 15650, 4.2.1.2	conforms
Durability of operational reliability: - open and closing cycle tests	4.3.3.2	-	NPD

<sup>1)</sup> Detailed technical parameters, fire classification and conditions of final classification according to EN 13501-3:2005+A1:2009 are stated in the Certification Report No. P-1391-CPR-2018/0205 of 24th October 2018.



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