

# DECLARATION OF PERFORMANCE (DoP)

No. 10034-ESR-2019/01/01

1. Unique identification code of the product type:

**Halton Exe Sturdy Rectangular (ESR)**

**Fire damper, fire resistance classes up to  
EI 120 (v<sub>e</sub> h<sub>o</sub> i<->o) S**

2. Intended use:

**To be used on in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations.**

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

**Halton Oy  
Haltonintie 1-3  
47400 Kausala  
FINLAND  
Tel. +358 (0)20792 200  
Code: Hal 26724**

4. System of AVCP:

**System 1  
See Regulation (EU) No. 305/2011 (CPR) Annex V, 1.2.**

5. Harmonised standard:

**EN 15650: 2010**

6. Notified body:

**Notified body No. 1391  
PAVUS, a.s.  
Prosecká 412/74, 19000 Praha 9-Prosek  
CE certificate of Constancy of Performance, no: 1391-CPR-2018/0202**

7. Declared performance/s of Halton Exe Sturdy Rectangular (ESR)

Essential characteristics	Requirements of EN 15650	Findings	Conformity Assessment
Nominal activation conditions/sensitivity:	4.2.1.2	Comply with EN 15650, 4.2.1.2	
- sensing element load bearing capacity	4.2.1.2.2	Comply with EN 15650, 5.2.5, ISO 10294-4:2001, 4.2	Conforms
- sensing element response temperature	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)	50 cycles performed prior to test	Conforms
<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	Cycling test performed (10 000+100+100 cycles) according to EN 15650, Annex C.3.2	Conforms
<b>Other characteristics</b>			
Resistance against corrosion	4.2.2 Annex B	Salt spray exposure test (EN 60068-2-52) - no corrosion occurred	Conforms

8. The performance of the product identified in point 1 is in conformity with the set of declared performance/s.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 (CPR), under the sole responsibility of the manufacturer identified in point 3.

Copy of Declaration of Performance (DoP) for Halton Exe Sturdy Rectangular (ESR) is available on website:

[www.halton.com](http://www.halton.com)

Signed for and on behalf of the manufacturer by:

Raimo Parkkila – Manager, System and Product Development

Kausala, 01.01.2019

