



Declaration of Performance No. 1391-CPR-2021/0084

1. Unique identification code of the product-type	SDR1-M
2. Product	Rectangular Smoke Control Damper
Intended use/es	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions
3. Manufacturers	ID 26718405
5. System/s of AVCP	System 1
6a. Harmonised standard	EN 12101-8 :2011
6a. Notified body	Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek
6b. European Assessment Document	1391-CPR-2021/0043
7. Declared performance/s	See table below.

7a. Declared performances – fire resistance classification.

Essential characteristics in accordance with EN 12101-8:2011.

Fire separating construction, location of the damper	Installation type Installation System	Performance - Class of fire resistance
Horizontal or vertical duct	Damper with grill	EI 120 (V _{ed} -h _{od} i↔o) S1500CmodHOT400/30AAmulti
	Damper without grill	EI 90 (V _{ed} -h _{od} i↔o) S1500CmodHOT400/30AAmulti
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or Gypsum	EI 120 (V _{ew} i↔o) S1500CmodHOT400/30AAmulti
	Weichschott / Ablative Coated Batt	EI 90 (V _{ew} i↔o) S1500CmodHOT400/30AAmulti
Gypsum plasterboard wall construction – damper in the wall – 125 mm min. wall thickness	Mortar or gypsum	EI 120 (V _{ew} i↔o) S1500CmodHOT400/30AAmulti
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Weichschott / Ablative Coated Batt	EI 90 (V _{ew} i↔o) S1500CmodHOT400/30AAmulti
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum	EI 120 (h _{ow} i↔o) S1500CmodHOT400/30AAmulti
Solid ceiling construction – damper in the ceiling – min. wall thickness 110 mm for concrete, 125 mm for aerated concrete	Mortar or gypsum	EI 90 (h _{ow} i↔o) S1500CmodHOT400/30AAmulti
	Weichschott / Ablative Coated Batt	EI 90 (h _{ow} i↔o) S1500CmodHOT400/30AAmulti

7b. Declared performance/s

Essential characteristic	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. 4.4.2.2	Cmod	Conforms
Fire resistance – integrity	cl. 4.1.1 a)	E 120, E 90 < 360 m ³ /(h.m ²)	Conforms
Fire resistance – insulation	cl. 4.1.1 b)	EI 120, EI 90	Conforms
Fire resistance – smoke leakage	cl. 4.1.1 c)	EI 120 S, EI 90 S <200 m ³ /(h.m ²)	Conforms
Fire resistance – mechanical stability	cl. 4.1.1 d)	120/90 min	Conforms
Fire resistance – maintenance of cross-section	cl. 4.1.1 e)	120/90 min	Conforms
Fire resistance – high operational temperature	cl. 4.1.1 f)	HOT 400/30	Conforms
Durability of response delay	cl. 4.4.2.1	< 60 s	Conforms
Durability of operational reliability	cl. 4.4.2.2	C10000 < 120 S	Conforms

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the supplier by:


Authorised person:

Greger Juhlin
Strategic Program Manager
2023-11-09 Greve, Sweden