MANDÍK

DECLARATION OF PERFORMANCE
No. PM/SEDM-L/01/25/2

1.	Unique identification code of the product-type	**SEDM-L**
2.	Products	Smoke control dampers
	Intended use	Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions
	Technical documentation – product information, instruction for installation and maintenance, safety information	Technical specifications TPM 146/20
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic IČO 26718405, tel. +420 311 706 706 mandik@mandik.cz, www.mandik.com
5.	System of AVCP	System 1
6.	Harmonised standard	EN 12101-8:2011
	Notified body	Notified body No. 1391 PAVUS, a.s., Prosecká 412/74, 190 00 Praha 9 – Prosek, Czech Republic
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2024/0041 Assessment Report of Construction Product Performance No. P-1391-CPR-2024/0041

7a.	**Declared performances – fire resistance classification** Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1	
Fire separating construction, damper location	*Installation type, installation system*	*Performance – class of fire resistance*
Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9 - into/onto the duct	Damper installed into a duct or onto a duct with grille [1]	EI 120 (v_{ed} i↔o) S1000C_{mod}HOT 400/30MAmulti
	Damper installed onto a duct without grille [1]	EI 90 (v_{ed} i↔o) S1000C_{mod}HOT 400/30MAmulti
Solid wall construction - damper in the wall - 100 mm min. wall thickness	Fire batt/Ablative coated batt [1],[2]	EI 120 (v_{ew} i↔o) S1000C_{mod}HOT 400/30MAmulti
	Mortar or gypsum [1],[2]	EI 90 (v_{ew} i↔o) S1000C_{mod}HOT 400/30MAmulti
Solid wall construction - damper in the wall - 100 mm min. wall thickness - application as a shaft wall	Fire batt/Ablative coated batt [1],[2]	EI 120 (v_{ed} i↔o) S1000C_{mod}HOT 400/30MAmulti
	Mortar or gypsum [1],[2]	
Gypsum plasterboard wall construction - damper in the wall - 100 mm min. wall thickness - application as a wall or a shaft wall	Fire batt/Ablative coated batt [1],[2]	EI 120 (v_{edw} i↔o) S1000C_{mod}HOT 400/30MAmulti
Shaftwall construction - type Gypwall - damper in the wall - wall thickness min. 107 mm - application as a wall or as a shaft wall	Mortar or gypsum [1]	EI 120 (v_{edw} i↔o) S1000C_{mod}HOT 400/30MAmulti
Solid ceiling construction - damper in the ceiling - 150 mm min. ceiling thickn. - application as a shaft floor	Mortar or gypsum [1]	EI 120 (h_{od} i↔o) S1000C_{mod}HOT 400/30MAmulti

[1] Refer to Technical documentation for the details of the installation type / installation system.
[2] Including assembly of dampers – side by side

7b.	**Declared performances – other essential characteristics** Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1		
Essential characteristics		*Requirements (provisions of the harmonised standard EN 12101-8:2011)*	*Performance (lever or class) / Compliance with the requirements*
Nominal activation conditions/sensitivity		4.2.1.3	Conforms
Response delay (response time)		4.2.1.4	AA / MA - Conforms
Operational reliability		4.4.2.2	C_{mod} – conforms
Fire resistance – integrity (E)		4.1.1 a)	E – conforms
Fire resistance – insulation (I)		4.1.1 b)	EI – conforms
Fire resistance – smoke leakage (S)		4.1.1 c)	EIS – conforms
Fire resistance – mechanical stability (under E)		4.1.1 d)	Conforms
Fire resistance – maintenance of cross section (under E)		4.1.1 e)	Conforms
Fire resistance – high operational temperature		4.1.1 f)	HOT 400/30 – conforms
Durability – of response delay		4.4.2.1	Conforms
Durability – of operational reliability		4.4.2.2	Damper with control mechanisms: - Belimo actuators (BEN/BEE/BE): C_{mod} - Belimo actuators (BEN/BEE/BE) connected with MDCM control modules[3]: C_{mod}

[3] The control modules shall be installed in a separate calcium silicate housing, according to Technical documentation.

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 manufacturer by:

In Hostomice, 2025-06-19

Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
Characteristics	*Technical standard*	*Performance (lever or class) / Compliance with the requirements*
Damper blade tightness	EN 1751:2024	Class 3
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking “C”)