MANDÍK

DECLARATION OF PERFORMANCE
No. PM/SEDM-L/02/25/2

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 157/22
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
	UK Approved Body	UK Approved Body No. 2822 Efectis UK/Ireland Limited, Shore Road, Jordanstown, BT37 0 QB, United Kingdom
	Output documents of the UK Approved Body	2822-UKCA-CPR-0139

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}MAmulti
	Damper installed onto a duct without grille [1]	EI 90 (v_{ed} i↔o) S1000C_{mod}MAmulti
Solid wall construction - damper in the wall - 100 mm min. wall thickness	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}MAmulti
Solid wall construction - damper in the wall - 100 mm min. wall thickness - application as a shaft wall	Ablative coated batt [1],[2]	EI 120 (v_{ed} i↔o) S1000C_{mod}HOT 400/30MAmulti
	Mortar or gypsum [1],[2]	EI 120 (v_{ed} i↔o) S1000C_{mod}MAmulti
Gypsum plasterboard wall construction - damper in the wall - 100 mm min. wall thickness - application as a wall or as a shaft wall	Ablative coated batt [1],[2]	EI 120 (v_{edw} i↔o) S1000C_{mod}HOT 400/30MAmulti
Shaftwall construction – damper in the wall – wall thickness min. 107 mm - type Gypwall - application as a wall or as a shaft wall	Mortar or gypsum [1]	EI 120 (v_{edw} i↔o) S1000C_{mod}MAmulti
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)	NPD / 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 MDC(P)M [3] control modules: 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 Construction Products Regulation in Great Britain and Northern Ireland, 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	BS EN 1751:2024	Class 3
Damper casing tightness	BS EN 1751:2024	Class ATC 3 (old marking “C”)