

## **DECLARATION OF PERFORMANCE** No. PM/SEDM-L/01/25/3

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-2025/0042 Assessment Report of Construction Product Performance No. P-1391-CPR-2025/0042

7a.	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	Gap width in range (mm)	Performance  – class of fire resistance <sup>3]</sup>	
Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9		Damper installed into a duct or onto a duct or onto a	N/A	EI120(ved)S1000[H]CmodHOT400/30MAmulti	
- int	o/onto the duct	Damper installed onto a duct without grille 1]	N/A	EI90(v <sub>ed</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
	dard low- and high-density wall construction according	Fire batt/Ablative coated batt 1]	40–230	EI90(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
to E	N 1363-1		200	EI120(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]	
	mper in the wall or shaft wall  mm min. wall thickness	Mortar or gypsum	50–150	El90(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
				EI120(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]	
	dard flexible wall struction, min. El90.	Fire batt/Ablative coated batt 1]	40–230	EI90(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
acco	ording to EN 1363-1		200	EI120(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]	
	mper in the wall or shaft wall  mm min. wall thickness	Mortar or gypsum 1]	50–150	EI90(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
			50	EI120(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]	
	-standard asymmetrical shaft construction, min. EI120,	Mortar or gypsum <sup>1]</sup>	50–150	EI90(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti	
mad × 15 stee - dai	e of gypsum plasterboards (3 mm and 1 × 19 mm) with I studs. mper in the wall or shaft wall 7 mm min. wall thickness			EI120(v <sub>edw</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]	

(table continues)

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<sup>&</sup>lt;sup>1]</sup> Refer to <u>Technical documentation</u> for the details of the installation type / installation system.
<sup>2]</sup> Where the damper is installed without a connected duct, the installation shall be terminated with a grille.

<sup>&</sup>lt;sup>3]</sup> Fire resistance class markings in accordance with Commission Regulation (EU) 2024/1681.

<sup>&</sup>lt;sup>4]</sup> Including assembly of dampers – side by side

(continuation of the table)

Fire separating construction, damper location	Installation type, installation system	Gap width in range (mm)	Performance  – class of fire resistance <sup>3]</sup>
Standard low- and high-density rigid floor construction according	Mortar or gypsum <sup>1]</sup>	50–150	EI90(h <sub>od</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti
to EN 1366-2 - damper in the shaft floor - 150 mm min. wall thickness		50-150	EI120(h <sub>od</sub> )S1000[H]C <sub>mod</sub> HOT400/30MAmulti <sup>2</sup> ]

<sup>&</sup>lt;sup>1]</sup> Refer to <u>Technical documentation</u> for the details of the installation type / installation system.

<sup>&</sup>lt;sup>3]</sup> Fire resistance class markings in accordance with Commission Regulation (EU) 2024/1681.

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 <sub>mod</sub> – 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 <sub>mod</sub> - Belimo actuators (BEN/BEE/BE) connected with control modules: - MDC(P)M <sup>5]</sup> : C <sub>mod</sub> - AGNOSYS BRM/IOM-10-F: C <sub>mod</sub> - BUSTEC BKNE230-24RB: C <sub>mod</sub>		

<sup>&</sup>lt;sup>5]</sup> 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 (FLI) No. 305/2011, under the set of performance is included in accordance with Regulation (FLI) No. 305/2011.

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, 2025-09-26

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")			

<sup>&</sup>lt;sup>2]</sup> Where the damper is installed without a connected duct, the installation shall be terminated with a grille.