DECLARATION OF PERFORMANCE
No. PM/SEDM-D/01/25/1

1.	Unique identification code of the product-type	**SEDM-D**
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 155/22
3.	Manufacturer	MANDÍK, a.s. Dobříšská 550, 26724 Hostomice, Czech Republic ID 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
	Output documents of the notified body	Certificate of Constancy of Performance No. 1391-CPR-2023/0030 Assessment Report of Performance of Construction Product No. P-1391-CPR-2023/0030

7a.	**Declared performances – fire resistance classification** Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1	
Fire separating construction, location of the damper	*Installation type, installation system*	*Performance – class of fire resistance*
Shaft from concrete or aerated concrete [1] – wall thickness min. 70 mm	Mortar or gypsum [1]	EI 120 (v_{ed} i↔o) S1500C_{300}AAmulti [2],[3]
	Mastic [1]	
	Installation frame – mortar or gypsum [1]	
	Installation frame – mastic [1]	

(table continues)

[1] Refer to Technical documentation for the details of the installation type / installation system.
[2] In practice, the dampers will never be in open position at the beginning of danger from smoke.
[3] Damper tested at increased vacuum of 500 Pa.

(continuation of the table)

7a.	**Declared performances – fire resistance classification** Essential characteristics in accordance with EN 12101-8:2011, art. 4.1.1

Fire separating construction	*Installation type, installation system*	*Performance – class of fire resistance*
Shaft from fire-resistant panels[1] – specific weight min 500 kg/m – shaft wall thickness min. 30 mm while respecting shaft wall thickness in acc. with the given duct fire resistance class for the given pressure [4]; e.g.: • 50 mm PROMATECT L 500 • 45 mm THERMAX SL (Tecniver) • 45 mm GEOTEC S • 45 mm GEOFLAM F • 35 mm GEOFLAM F Light	Mortar or gypsum [1] Mastic [1] Installation frame – mortar or gypsum [1] Installation frame – mastic [1]	EI 120 (v_{ed} i↔o) S1500C_{300}AAmulti [2],[3]
Shaft from fire-resistant panels[1] – specific weight min 500 kg/m – shaft wall thickness min. 30 mm while respecting shaft wall thickness in acc. with the given duct fire resistance class for the given pressure [4]; e.g.: • 40 mm PROMATECT L 500 • 45 mm THERMAX SL (Tecniver) • 45 mm GEOTEC S • 35 mm GEOFLAM F • 35 mm GEOFLAM F Light	Mortar or gypsum [1] Mastic [1] Installation frame – mortar or gypsum [1] Installation frame – mastic [1]	EI 90 (v_{ed} i↔o) S1500C_{300}AAmulti [2],[3]
Shaft from fire-resistant panels[1] – specific weight min 500 kg/m – shaft wall thickness min. 30 mm while respecting shaft wall thickness in acc. with the given duct fire resistance class [4] for the given pressure; e.g.: • 30 mm PROMATECT L 500 • 45 mm THERMAX SL (Tecniver) • 30 mm GEOTEC S • 30 mm GEOFLAM F • 35 mm GEOFLAM F Light	Mortar or gypsum [1] Mastic [1] Installation frame – mortar or gypsum [1] Installation frame – mastic [1]	EI 60 (v_{ed} i↔o) S1500C_{300}AAmulti [2],[3]
Shaft from fire-resistant panels[1] – specific weight min 500 kg/m – shaft wall thickness min. 30 mm while respecting shaft wall thickness in acc. with the given duct fire resistance class [4] for the given pressure; e.g.: • 35 mm THERMAX SL (Tecniver)	Mortar or gypsum [1] Mastic [1] Installation frame – mortar or gypsum [1] Installation frame – mastic [1]	EI 60 (v_{ed} i↔o) S500C_{300}AAmulti [2]

[1] Refer to Technical documentation for the details of the installation type / installation system.
[2] In practice, the dampers will never be in open position at the beginning of danger from smoke.
[3] Damper tested at increased vacuum of 500 Pa.
[4] Duct system must be tested and classified in accordance with EN 13501-4.

7b.	**Declared performances – essential characteristics** Essential characteristics in accordance with EN 15650:2010, art. 4.1.1

Essential characteristics	*Requirements (provisions of harmonised standard EN 12101-8:2011)*	*Performance (level or class) / Compliance with the requirements*
Nominal activation conditions/sensitivity	4.2.1.3	Conforms
Response delay (response time)	4.2.1.4	Conforms
Operational reliability	4.3.2.2	C 300 – conforms
Fire resistance – integrity (E)	4.1.1 a)	E – conforms
Fire resistance – insulation (EI)	4.1.1 b)	EI – conforms
Fire resistance – smoke leakage (ES)	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 – No performance determined
Durability – of response delay	4.3.2.1	Conforms
Durability – of operational reliability	4.3.2.2	C 300 – 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 manufacturer by:

In Hostomice, 2025-01-02

Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
Characteristics	*Technical standard*	*Performance (level or class) / Compliance with the requirements*
Damper blade tightness	EN 1751:2024	Class 3
Damper casing tightness	EN 1751:2024	N/A