DECLARATION OF PERFORMANCE
No. PM/FDMQ120/01/25/2

1.	Unique identification code of the product-type	**FDMQ 120**
2.	Products	Fire dampers
	Intended use	To be used in conjunction with partitions to maintain fire compartments in heating, ventilating and air conditioning installations.
	Technical documentation – product information, instruction for installation and maintenance, safety information	Technical specifications 162/22
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 15650:2010
	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-2025/0048 Assessment Report of Performance of Construction Product No. P-1391-CPR-2025/0048

7a.	**Declared performances – fire resistance classification** Essential characteristics in accordance with EN 15650:2010, art. 4.1.1	
Fire separating construction, location of the damper	*Installation type, installation system*	*Performance – class of fire resistance* [2]
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	EI 120 (v_e) S [H] [3]
	Battery – mortar or gypsum [1]	EI 120 (v_e) S [H]
	Ablative Coated Batt [1]	
Solid wall construction – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + ablative coated batt – ISOVER ULTIMATE PROTECT [1]	EI 120 (v_e) S [H]
	Flamebar EN Fire Duct – FPL 110 insulation [1]	
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	EI 120 (v_e) S [H] [3]
	Battery – mortar or gypsum [1]	EI 120 (v_e) S [H]
	Ablative Coated Batt [1]	
Gypsum plasterboard wall construction – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + ablative coated batt – ISOVER ULTIMATE PROTECT [1]	EI 120 (v_e) S [H]
	Flamebar EN Fire Duct – FPL 110 insulation [1]	

(table continues)

[1] Refer to Technical documentation for the details of the installation type / installation system.
[2] Fire resistance class markings in accordance with Commission Regulation (EU) 2024/1681.
[3] Tested at increased underpressure of 500 Pa.

(continuation of the table)

Fire separating construction, location of the damper	*Installation type, installation system*	*Performance – class of fire resistance* [2]
Sandwich wall construction Euroclad Firemaster Extra – damper in the wall – wall thickness min. 150 mm	Mineral wool with boards [1]	EI 120 (v_e) S [H]
Shaftwall construction – damper in the wall – wall thickness min. 105 mm	Mortar or gypsum [1]	EI 120 (v_e) S [H]
	2 dampers in one installation opening – mortar or gypsum [1]	
	2 dampers in one installation opening – ablative coated batt [1]	
Solid ceiling construction – damper in the ceiling – 150 mm min. ceiling thickn.	Mortar or gypsum [1]	EI 120 (h_o) S [H] [3]
	Battery – mortar or gypsum [1]	EI 120 (h_o) S [H]

[1] Refer to Technical documentation for the details of the installation type / installation system.
[2] Fire resistance class markings in accordance with Commission Regulation (EU) 2024/1681.
[3] Tested at increased underpressure of 500 Pa.

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

Essential characteristics	Requirements (provisions of the harmonised standard EN 15650:2010)	*Performance (lever or class) / Compliance with the requirements*
Nominal activation conditions/sensitivity:	4.2.1.2	Conforms
– sensing element load bearing capacity	4.2.1.2.2	Conforms
– sensing element response temperature	4.2.1.2.3	Conforms
Response delay (response time): – closure time	4.2.1.3	Conforms
Operational reliability: – cycling	4.3.1, a)	50 cycles – conforms
Durability of response delay: – sensing element response to temperature and load bearing capacity	4.2.1.2.2 4.2.1.2.3	Conforms
Durability of operational reliability: – opening and closing cycle tests	4.3.3.2	Dampers with control mechanisms - manual Mandík M: NPD - Mandík MODULAR: C_{300} - Belimo: $C_{10.000}$

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, 2025-05-06

Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
Characteristics	*Technical standard*	*Performance (lever or class) / Compliance with the requirements*
Resistance against corrosion	EN 15650:2010, art. 4.2.2 EN 15650:2010, Annexe B	Conforms
Damper blade tightness	EN 1751:2024	Class 2
Damper casing tightness	EN 1751:2024	Class ATC 3 (old marking “C”)