MANDÍK

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

1.	Unique identification code of the product-type	**FDMB**
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 TPM 075/09
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-2025/0083 Assessment Report of Performance of Construction Product No. P-1391-CPR-2025/0083

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*	*Gap width* (mm)	*Performance – class of fire resistance* [2]
Standard low- and high-density rigid wall construction according to EN 1363-1 – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 120 (v_e) S [V/H] [3]
	Battery – mortar or gypsum [1]	50–150	EI 90 (v_e) S [H]
	Mineral wool with fire resistant coating and calcium silicate boards [1]	40–75	EI 90 (v_e) S [V/H]
	Installation frame E1, E4 [1]	N/A	
	Installation frame E2 – mortar or gypsum [1]	50–150	
	Ablative coated batt [1]	40–200	
Standard low- and high-density rigid wall construction according to EN 1363-1 – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with Rockwool Conlit Ductrock EIS 120 th. 60 mm + mineral wool with fire-resistant coating and board [1]	50	EI 120 (v_e) S [V/H]
	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mineral wool with fire-resistant coating and board [1]	40–75	EI 90 (v_e) S [V/H]
	Insulation of the duct with calcium silicate boards – installation frame E6 [1]	50–150	
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.120 mm (2x60) + Ablative coated batt [1]	40–100	
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + Ablative coated batt[1]	40–75	EI 60 (v_e) S [V/H]

(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*	*Gap width* (mm)	*Performance – class of fire resistance* [2]
Standard flexible wall construction, min. EI 90 according to EN 1363-1 – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 120 (v_e) S [V/H] [3]
	Battery – mortar or gypsum [1]	50–150	EI 90 (v_e) S [H]
	Mineral wool with fire resistant coating and calcium silicate boards [1]	40–75	EI 90 (v_e) S [V/H]
	Installation frame E1, E3 [1]	N/A	
	Ablative coated batt [1]	40–200	
	Flexible ceiling – installation frame E5 [1]	N/A	
Standard flexible wall construction, min. EI 60 according to EN 1363-1 – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 60 (v_e) S [V/H]
	Ablative coated batt [1]	40–130	
Standard flexible wall construction, min. EI 30 according to EN 1363-1 – damper in the wall – 75 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 30 (v_e) S [V/H] EI 45 (v_e) S [V/H]
	Ablative coated batt [1]	40–155	
Standard flexible wall construction, min. EI 90 according to EN 1363-1 – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with Rockwool Conlit Ductrock EIS 120 th. 60 mm + mineral wool with fire-resistant coating and board [1]	50	EI 120 (v_e) S [V/H]
	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mineral wool with fire-resistant coating and board [1]	40–75	EI 90 (v_e) S [V/H]
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.120 mm (2x60) + ablative coated batt [1]	40–100	
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + ablative coated batt [1]	40–75	EI 60 (v_e) S [V/H]
Non-standard CLT wooden wall construction min. REI 60 – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 90 (v_e) S [V/H]
	Ablative coated batt [1]	40–200	
Non-standard lightweight wall construction – ROCKWOOL Cavity Barrier EN – damper in the wall – 100 mm min. wall thickness	See Technical documentation [1]	N/A	EI 60 (v_e) S [V/H]
Non-standard asymm. shaft wall construction, min. EI 60, made of gypsum plasterboards (2 × 12,5 mm and 1 × 19 mm) with steel studs. – damper in the wall – 85 mm min. wall thickness	Mortar or gypsum [1]	50–150	EI 60 (v_e) S [V/H]
		50	EI 90 (v_e) S [V/H]
	Ablative coated batt [1]	40–130	EI 60 (v_e) S [V/H]
		100	EI 90 (v_e) S [V/H]
Standard low- and high-density rigid floor construction according to EN 1366-2 – damper in the ceiling – 150 mm min. ceiling thickness	Mortar or gypsum [1]	50–150	EI 90 (h_o) S [H] [3]
		50	EI 120 (h_o) S [H] [3]
	Installation frame E1, E4 [1]	N/A	EI 90 (h_o) S [H]
	Installation frame E2 – mortar or gypsum [1]	50–150	
	Ablative coated batt [1]	40–200	

(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*	*Gap width* (mm)	*Performance – class of fire resistance* [2]
Standard low- and high-density rigid floor construction according to EN 1366-2 – damper remote from the ceiling – 150 mm min. ceiling thickness	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mortar or gypsum [1]	50–150	EI 90 (h_o) S [H]
	Concrete [1]	50–150	
	Insulation of the duct with cement lime plates – installation frame E6 – mortar or gypsum [1]	50–150	
Non-standard CLT wooden ceiling construction min. REI 60 – damper in the ceiling – 140 mm min. ceiling thickness	Mortar or gypsum [1]	50–150	EI 90 (h_o) S [H]
	Ablative coated batt [1]	40–200	

[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.

7b.	**Declared performances – essential characteristics**

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 mechanisms MANDÍK M: NPD MANDÍK MODULAR: C_{300} BELIMO, SCHISCHEK: $C_{10.000}$ GRUNER: C_{MOD}

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, 2025-08-18

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
Application with no ducting	EN 1366-2:2015 art. 6.2.7	Conforms
Damper blade tightness	EN 1751:2024	Class 2
Damper casing tightness	EN 1751:2024	For A < 160 mm or B < 160 mm class ATC 4 (old marking “B”), for other sizes class ATC 3 (old marking “C”).