DECLARATION OF PERFORMANCE
No. PM/FDMR60/01/20/1

1.	Unique identification code of the product-type	**FDMR 60**
2.	Products	Dampers – Fire dampers
	Intended use	Fire safety. 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 142/19
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-2019/0161/O1 Assessment Report of Performance of Construction Product No. P-1391-CPR-2019/0161

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*
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	EI 60 (v_e i↔o) S
	Stuffing box with fire protection mastic [1]	
	Installation next to wall, ceiling – mortar or gypsum and mineral wool [1]	
Solid wall construction – damper outside the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + stuffing box with fire protection mastic – ISOVER ULTIMATE PROTECT [1], [2]	
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum [1]	
	Stuffing box with fire protection mastic [1]	
	Installation next to wall, ceiling – mortar or gypsum and mineral wool [1]	
Gypsum plasterboard wall construction – damper outside the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool + stuffing box with fire protection mastic – ISOVER ULTIMATE PROTECT [1], [2]	

(table continues)

[1] Refer to Technical documentation for the details of the installation type / installation system.

[2] Installation materials may be replaced by a similar approved system of the equivalent performance.

(continuation of the table)

Fire separating construction, location of the damper	*Installation type, installation system*	*Performance – class of fire resistance*
Solid ceiling construction – damper in the ceiling – ceiling thickness – min. 110 mm for concrete – min. 125 mm for aerated concrete	Mortar or gypsum [1]	EI 60 (h_o i↔o) S
	Stuffing box with fire protection mastic [1]	
Solid ceiling construction – damper outside the ceiling – ceiling thickness – min. 110 mm for concrete – min. 125 mm for aerated concrete	Insulation of the duct with mineral wool – mortar or gypsum – ISOVER ULTIMATE PROTECT [1], [2]	
Sandwich wall construction – damper in the wall – 100 mm min. wall thickness	Stuffing box with fire protection mastic, coating and cement lime plate [1]	EI 60 (v_e i↔o) S
Sandwich wall construction – damper outside the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool – stuffing box with fire protection mastic, coating and cement lime plate [1]	
Solid shaft construction – 100 mm min. wall thickness	Mortar or gypsum [1]	
Gypsum plasterboard shaft construction – 100 mm min. wall thickness	One side plasterboard – stuffing box with fire protection mastic [1]	
	Stuffing box with fire protection mastic [1]	

[1] Refer to Technical documentation for the details of the installation type / installation system.

[2] Installation materials may be replaced by a similar approved system of the equivalent performance.

7b.	**Declared performances – other 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	10 000 + 100 + 100 cycles – conforms

7c.	**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 1751:2014	Class 3
Damper casing tightness		EN 1751:2014	Class C

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, 27 January 2020

Marcel Mandík
CEO
MANDÍK, a.s.