

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-2023/0166 Assessment Report of Performance of Construction Product No. P-1391-CPR-2023/0166

7a.	Declared performances – fire resistance classification Essential characteristics in accordance with EN 15650:2010, art. 4.1.1	
	<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>
		<i>Performance – class of fire resistance</i>
Solid wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S
	Battery – mortar or gypsum ^{1]}	EI 90 (v _e i↔o) S
	Installation next to wall – mortar or gypsum and mineral wool ^{1]}	
	Mineral wool with fire resistant coating and calcium silicate boards ^{1]}	
	Installation frame E1, E2, E4 ^{1]}	
	Weichschott / Ablative Coated Batt ^{1),2]}	EI 60 (v _e i↔o) S
	Fire protection foam with stucco plaster ^{1]}	
Solid wall construction – 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 calcium silicate board ^{1]}	EI 120 (v _e i↔o) S
	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mineral wool with fire-resistant coating and calcium silicate board ^{1]}	EI 90 (v _e i↔o) S
	Insulation of the duct with calcium silicate boards – installation frame E6 ^{1]}	

(table continues)

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

2] Materials of the fire-resistant panel and paint may be replaced by a similar approved system of the equivalent performance.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Solid wall construction – damper remote from the wall – 100 mm min. wall thickness	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.120 mm (2x60) + Weichschott/Ablative coated batt ^{1]}	EI 90 (v _e i↔o) S
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + mortar or gypsum ^{1]}	EI 60 (v _e i↔o) S
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + Weichschott/Ablative coated batt ^{1]}	
Gypsum plasterboard wall construction – damper in the wall – 100 mm min. wall thickness	Mortar or gypsum ^{1]}	EI 120 (v _e i↔o) S
	Battery – mortar or gypsum ^{1]}	EI 90 (v _e i↔o) S
	Installation next to wall – mortar or gypsum and mineral wool ^{1]}	
	Mineral wool with fire resistant coating and calcium silicate boards ^{1]}	
	Installation frame E1, E3 ^{1]}	EI 60 (v _e i↔o) S with fire resistance wall EI 60 EI 90 (v _e i↔o) S with fire resistance wall EI 90
	Weichschott 100 mm / Ablative Coated Batt 100 mm ^{1],2]}	
	Flexible ceiling – installation frame E5 ^{1]}	
Gypsum plasterboard wall construction – damper in the wall – 75 mm min. wall thickness	Fire protection foam with stucco plaster ^{1]}	EI 60 (v _e i↔o) S
	Weichschott 50 mm / Ablative Coated Batt 50 mm ^{1],2]}	EI 30 (v _e i↔o) S EI 45 (v _e i↔o) S
Gypsum plasterboard wall construction – 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 calcium silicate board ^{1]}	EI 120 (v _e i↔o) S
	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mineral wool with fire-resistant coating and calcium silicate board ^{1]}	EI 90 (v _e i↔o) S
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.120 mm (2x60) + Weichschott/Ablative coated batt ^{1]}	
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + mortar or gypsum ^{1]}	EI 60 (v _e i↔o) S
	Insulation of the duct with mineral wool ISOVER ULTIMATE PROTECT th.80 mm + Weichschott/Ablative coated batt ^{1]}	
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 120 (h _o i↔o) S
	Battery – mortar or gypsum ^{1]}	EI 90 (h _o i↔o) S
	Mineral wool with fire resistant coating and calcium silicate boards ^{1]}	
	Installation frame E1, E2, E4 ^{1]}	
	Weichschott / Ablative Coated Batt ^{1],2]}	

(table continues)

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

2] Materials of the fire-resistant panel and paint may be replaced by a similar approved system of the equivalent performance.

(continuation of the table)

<i>Fire separating construction, location of the damper</i>	<i>Installation type, installation system</i>	<i>Performance – class of fire resistance</i>
Solid ceiling construction – damper remote from the ceiling – ceiling thickness – min. 110 mm for concrete – min. 125 mm for aerated concrete	Insulation of the duct with Rockwool Conlit Ductrock EIS 120 th. 60 mm + mortar or gypsum ^{1]}	EI 120 (h _o i↔o) S
	Insulation of the duct with Rockwool Conlit Ductrock EIS 90 th. 60 mm + mortar or gypsum ^{1]}	EI 90 (h _o i↔o) S
	Concrete ^{1]}	
	Concrete with installation frame E4 ^{1]}	
	Insulation of the duct with cement lime plates – installation frame E6 ^{1]}	
Shaft construction of EI 90 fire resistance class	Weichschott / Ablative Coated Batt ^{1],2]}	EI 90 (v _e i↔o) S
Shaft construction of EI 60 fire resistance class	Weichschott / Ablative Coated Batt ^{1],2]}	EI 60 (v _e i↔o) S

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

2] Materials of the fire-resistant panel and paint may be replaced by a similar approved system of the equivalent performance.

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):	4.2.1.3	Conforms
	– closure time		
	Operational reliability:	4.3.1, a)	50 cycles – conforms
	– cycling		
	Durability of response delay:	4.2.1.2.2	Conforms
	– sensing element response to temperature and load bearing capacity	4.2.1.2.3	
	Durability of operational reliability:	4.3.3.2	Dampers with mechanisms
	– opening and closing cycle tests		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, 2023-12-20


Jan Mičan
CEO, Ppa
MANDÍK, a.s.

Declared performances – other characteristics		
<i>Characteristics</i>	<i>Technical standard</i>	<i>Performance (lever or class) / Compliance with the requirements</i>
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 1751:2014	Class 2
Damper casing tightness	EN 1751:2014	For A < 160 mm or B < 160 mm class B, for other sizes class C

Additional provisions for use of the product in Austria

The product-type products meet also all requirements of ÖNORM H 6025 standard, cf. Assessment Report of Performance of Construction Product No. P-1391-CPR-2023/0166.