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|----|--|---|
| 1. | Unique identification code of the product-type   | <b>FDMQ 120</b>   |
| 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<br>– product information, instruction for installation and maintenance, safety information | Technical specifications <a href="#">TPM 162/22</a>   |
| 3. | Manufacturer   | MANDÍK, a.s.<br>Dobříšská 550, 26724 Hostomice, Czech Republic<br>ID 26718405, tel. +420 311 706 706<br><a href="mailto:mandik@mandik.cz">mandik@mandik.cz</a> , <a href="http://www.mandik.com">www.mandik.com</a> |
| 5. | System of AVCP   | System 1  |
| 6. | Harmonised standard  | BS EN 15650:2010  |
|    | UK Approved Body   | UK Approved body No. 2822<br>Efectis UK/Ireland Limited, Shore Road, Jordanstown, BT37 0QB,<br>United Kingdom   |
|    | Output documents of the UK Approved Body   | 2822-UKCA-CPR-0142  |

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| 7a.   | <b>Declared performances – fire resistance classification</b><br>Essential characteristics in accordance with BS 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<br>– damper in the wall<br>– 100 mm min. wall thickness                           | Mortar or gypsum <sup>1)</sup>   | EI 120 (v <sub>e</sub> i↔o) S                 |
|   | Battery – mortar or gypsum <sup>1)</sup>   |   |
|   | Ablative Coated Batt <sup>1)</sup>   |   |
| Solid wall construction<br>– damper remote from the wall<br>– 100 mm min. wall thickness                  | Insulation of the duct with mineral wool<br>+ Ablative Coated Batt – ISOVER<br>ULTIMATE PROTECT <sup>1)</sup>                              | EI 120 (v <sub>e</sub> i↔o) S                 |
|   | Flamebar EN Fire Duct – FPL 110<br>insulation <sup>1)</sup>  |   |
| Gypsum plasterboard<br>wall construction<br>– damper in the wall<br>– 100 mm min. wall thickness          | Mortar or gypsum <sup>1)</sup>   | EI 120 (v <sub>e</sub> i↔o) S                 |
|   | Battery – mortar or gypsum <sup>1)</sup>   |   |
|   | Ablative Coated Batt <sup>1)</sup>   |   |
| Gypsum plasterboard<br>wall construction<br>– damper remote from the wall<br>– 100 mm min. wall thickness | Insulation of the duct with mineral wool<br>+ Ablative Coated Batt – ISOVER<br>ULTIMATE PROTECT <sup>1)</sup>                              | EI 120 (v <sub>e</sub> i↔o) S                 |
|   | Flamebar EN Fire Duct – FPL 110<br>insulation <sup>1)</sup>  |   |

(table continues)

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

(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<br>– damper in the ceiling<br>– 150 mm min. ceiling thickness.   | Mortar or gypsum <sup>1]</sup>                | EI 120 (h <sub>o</sub> i↔o) S                 |
|   | Battery – mortar or gypsum <sup>1]</sup>      | EI 120 (h <sub>o</sub> i↔o) S                 |
| Shaftwall construction<br>– damper in the wall<br>– wall thickness min.<br>– min. 107 mm – British Gypsum, or<br>– min. 105 mm – Siniat | Mortar or gypsum <sup>1]</sup>                | EI 120 (v <sub>e</sub> i↔o) S <sup>2]</sup>   |

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


2] For damper dimensions up to 1500x650 (included) only.

| <b>7b. Declared performances – essential characteristics</b><br>Essential characteristics in accordance with BS EN 15650:2010, art. 4.1.1 |  |  |
|---|--|--|
| <i>Essential characteristics</i>  | <i>Requirements (provisions of the harmonised standard BS EN 15650:2010)</i> | <i>Performance (lever or class) / Compliance with the requirements</i>                     |
| 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):<br>– closure time   | 4.2.1.3  | Conforms   |
| Operational reliability:<br>– cycling   | 4.3.1, a)  | 50 cycles – conforms   |
| Durability of response delay:<br>– sensing element response to temperature and load bearing capacity                                      | 4.2.1.2.2<br>4.2.1.2.3   | Conforms   |
| Durability of operational reliability:<br>– opening and closing cycle tests   | 4.3.3.2  | Dampers with control mechanisms<br>- manual Mandík M: NPD<br>- Belimo: C <sub>10.000</sub> |

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 Construction Products Regulation in Great Britain and Northern Ireland, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2025-01-02

  
Jan Mičan  
CEO, Ppa  
MANDÍK, a.s.

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