MANDÍK

# DECLARATION OF PERFORMANCE
# No. PM/MSD/02/26/1

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|---|---|---|
| 1. | Unique identification code of the product-type | **MSD** |
| 2. | Products | Smoke control dampers |
| | Intended use | Smoke control dampers that are to be used in multi compartment smoke control systems, either at 600 °C or under fire conditions |
| | Technical documentation<br>– product information, instruction for installation and maintenance, safety information | Technical specifications TPM 159/22 |
| 3. | Manufacturer | MANDÍK, a.s.<br>Dobříšská 550, 26724 Hostomice, Czech Republic<br>ID 26718405, tel. +420 311 706 706<br>mandik@mandik.cz, www.mandik.com |
| 5. | System of AVCP | System 1 |
| 6. | Designated standard | BS EN 12101-8:2011 |
| | UK Approved Body | UK Approved Body No. 2822<br>Efectis UK/Ireland Limited, Shore Road, Jordanstown, BT37 0 QB,<br>United Kingdom |
| | Output documents<br>of the UK Approved Body | 2822-UKCA-CPR-0143 |

| 7a. | **Declared performances – fire resistance classification**<br>Essential characteristics in accordance with BS EN 12101-8:2011, art. 4.1.1 | |
|---|---|---|
| *Fire separating construction, location of the damper* | *Installation type, installation system* | *Performance – class of fire resistance* |
| Horizontal or vertical smoke extraction ducts tested according to EN 1366-8 or EN 1366-9<br>- into/onto the duct | Damper installed into a duct [1] | EI 120 ($v_{ed}$-$h_{od}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| | Damper installed onto a duct with grille[1] | |
| Standard low- and high-density rigid wall construction according to EN 1363-1<br>– damper in the wall<br>– 125 mm min. wall thickness | Mortar or gypsum [1] | EI 120 ($v_{ew}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| Standard low- and high-density rigid wall construction according to EN 1363-1<br>– damper in the wall<br>– 100 mm min. wall thick. | Ablative coated batt [1] | EI 90 ($v_{ew}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| Standard flexible wall construction, min. EI 120 according to EN 1363-1<br>– damper in the wall<br>– 125 mm min. wall thickness | Mortar or gypsum [1] | EI 120 ($v_{ew}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| Standard flexible wall construction, min. EI 90 according to EN 1363-1<br>– damper in the wall<br>– 100 mm min. wall thickness | Ablative coated batt [1] | EI 90 ($v_{ew}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| Standard low- and high-density rigid floor construction according to EN 1366-2<br>– damper in the floor<br>– 150 mm min. floor thickness | Mortar or gypsum [1] | EI 120 ($h_{ow}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |
| | Ablative coated batt [1] | EI 90 ($h_{ow}$ i↔o) S1500$C_{mod}$HOT400/30AAmulti |

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

| 7b. | **Declared performances – essential characteristics**<br>Essential characteristics in accordance with BS EN 12101-8:2011, art. 4.1.1 | |
|---|---|---|
| *Essential characteristics* | *Requirements (provisions of harmonised standard BS EN 12101-8:2011)* | *Performance (lever or class) / Compliance with the requirements* |
| Nominal activation conditions/sensitivity | 4.2.1.3 | Conforms |
| Response delay (response time) | 4.2.1.4 | Conforms |
| Operational reliability | 4.4.2.2 | $C_{mod}$ – conforms |
| Fire resistance – integrity (E) | 4.1.1 a) | E – conforms |
| Fire resistance – insulation (EI) | 4.1.1 b) | EI – conforms |
| Fire resistance – smoke leakage (ES) | 4.1.1 c) | EIS – conforms |
| Fire resistance<br>– mechanical stability (under E) | 4.1.1 d) | Conforms |
| Fire resistance<br>– maintenance of cross section (under E) | 4.1.1 e) | Conforms |
| Fire resistance<br>– high operational temperature | 4.1.1 f) | HOT 400/30 – conforms |
| Durability – of response delay | 4.4.2.1 | Conforms |
| Durability – of operational reliability | 4.4.2.2 | Damper with control mechanisms:<br>- Belimo actuators (BEN/BEE/BE): $C_{mod}$<br>- Schischek actuators (InMax-50.75S): $C_{mod}$<br>- Belimo actuators (BEN/BEE/BE) connected with MDC(P)M[2] control modules: $C_{mod}$<br>- Schischek actuators (InMax-50.75S) connected with MDC(P)M[2] control modules: $C_{mod}$ |

[2] The control modules shall be installed in a separate calcium silicate housing, according to Technical documentation.

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, as it has effect in the United Kingdom in respect of Great Britain, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

In Hostomice, 2026-06-10

Mgr. Jan Mičan
CEO, Ppa
MANDÍK, a.s.

| **Declared performances – other characteristics** | | |
|---|---|---|
| *Characteristics* | *Technical standard* | *Performance (lever or class) / Compliance with the requirements* |
| Damper blade tightness | BS EN 1751:2024 | For 1500x800 mm class 3, otherwise class 2. |
| Damper casing tightness | BS EN 1751:2024 | Class ATC 3 (old marking “C”) |