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CERTIFICATE OF CONSTANCY OF
PERFORMANCE

CERTIFICATE OF CONSTANCY OF PERFORMANCE

N° 2822-UKCA-CPR-0141

In compliance with Regulation 2020 N°1359 of The construction Products (EU exit) Regulation 2020, it was established that the construction product:

Product **Ventilation for buildings - Fire dampers.**

Reference of the product **FDMB**

Placed on the market by or for **MANDIK, a.s.
Dobriscka 550, 26724, Czech Republic**

and produced in the manufacturing plant located in **Dobriscka 550, 26724, Czech Republic**

is submitted by the manufacturer to a factory production control, and that the approved certification body EFECTIS UK/Ireland, has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of factory production control.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance, described in Annex ZA of the standard **BS EN 15650 : 2010** under system 1 are applied, and that the product(s) fulfil(s) all the prescribed requirements set out above.

This certificate, first issued on **6th June, 2024**, remains valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product and the manufacturing conditions in the plant are not modified significantly.

This certificate allows the manufacturer, its mandatories or its distributors, stated in the United Kingdom Economic Area, to affix the UKCA marking.

Certificate established at Belfast on: **18th June 2024**.

The Certification Technical Director,

Daniel JOYEUX
Certification Technical Director



Approved body
Nr 2822

**ANNEX TO THE CERTIFICATE OF CONSTANCY OF PERFORMANCE
 TO THE STANDARD BS EN 15650 : 2010**

N° 2822-UKCA-CPR-0141

Product **Ventilation for buildings - Fire dampers.**

Reference of the product **FDMB**

Certificate delivered to **MANDIK, a.s.
 Dobrisska 550, 26724, Czech Republic**

**Description of the field covered by the certificate in accordance with the classification report issued
 by PAVUS, a.s, no: PK3-02-22-905-E-1.**

DESCRIPTION OF THE RANGE

Rectangular fire damper made of a body, a blade and a thermal release mechanism.

| | |
|---|--|
| Dimensions: | <ul style="list-style-type: none"> Cross-sectional size (w x h) : 100 x 100 mm to 1000 x 500 mm or 500 x 1000 mm |
| Damper body in galvanized steel sheet: | Thickness 1.0 mm Length: 375 or 500 mm |
| Damper blade in calcium -silicate board: | Thickness: 30 mm (Promatect MST board) |
| Installation types, as described in the classification report PK3-02-22-905-E-1 and EXAP report PRA3-02-22-905-E-0: | <ul style="list-style-type: none"> Supporting constructions: <ul style="list-style-type: none"> standard flexible wall – thickness 100 mm or 75 mm shaft wall – thickness 87 mm standard rigid floor – thickness 150 mm Gap sealing: <ul style="list-style-type: none"> GM: Gypsum mortar ACB: Ablative coated batt |

| Supporting construction | | Damper position | Gap sealing type | Gap sealing width |
|-------------------------|-----------|-----------------|------------------|-------------------|
| Type | Thickness | | | |
| Standard flexible wall | 100 mm | Within | ACB | 40 – 230 mm |
| Standard rigid floor | 150 mm | Within | ACB | 40 – 230 mm |
| Standard flexible wall | 100 mm | Within | GM | 50 – 150 mm |
| Standard rigid floor | 150 mm | Within | GM | 50 – 150 mm |
| Shaft wall | 87 mm | Within | ACB | 40 – 130 mm |
| Standard flexible wall | 100 mm | Within | ACB | 40 – 130 mm |
| Standard flexible wall | 75 mm | Within | ACB | 40 – 155 mm |
| Standard flexible wall | 100 mm | Remote | ACB | 40 – 130 mm |

DRIVING MECHANISM

| | |
|--|---|
| Mechanical actuator mechanism with thermal fuse: | M type actuator - M1 to M5 (MANDIK) and thermal fuse (72°C) |
| Thermoelectric release mechanism: | Belimo actuator type BFL, BFN, BF (72°C) |



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CLASSIFICATION

- Fire damper installed within the standard flexible wall (thickness 100 mm) with fire resistance EI 90, with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|----|----------------|----------------|---|---|---|---|
| 200 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 90 | v _e | - | i | ↔ | o | S |
| 40 – 230 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 60 | v _e | - | i | ↔ | o | S |

- Fire damper installed within the standard rigid floor (thickness 150 mm), with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|-----|----------------|----------------|---|---|---|---|
| 40 - 230 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 120 | - | h _o | i | ↔ | o | S |

- Fire damper installed within the standard flexible wall (thickness 100 mm) with fire resistance EI 90, with penetration seal made of GM:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|-----|----------------|----------------|---|---|---|---|
| 50 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 120 | v _e | - | i | ↔ | o | S |
| 50 – 150 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 90 | v _e | - | i | ↔ | o | S |

- Fire damper installed within the standard rigid floor (thickness 150 mm), with penetration seal made of GM:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|-----|----------------|----------------|---|---|---|---|
| 50 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 120 | - | h _o | i | ↔ | o | S |
| 50 - 150 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 90 | - | h _o | i | ↔ | o | S |

- Fire damper installed within the shaft wall (thickness 87 mm) with fire resistance EI 60, with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|----|----------------|----------------|---|---|---|---|
| 90 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 90 | v _e | - | i | ↔ | o | S |
| 40 - 130 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 60 | v _e | - | i | ↔ | o | S |
| | | E | - | 90 | v _e | - | i | ↔ | o | S |

- Fire damper installed within the standard flexible wall (thickness 100 mm) with fire resistance EI 60, with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|----|----------------|----------------|---|---|---|---|
| 100 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 60 | v _e | - | i | ↔ | o | S |
| | | E | - | 90 | v _e | - | i | ↔ | o | S |
| 40 – 130 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 60 | v _e | - | i | ↔ | o | S |

- Fire damper installed within the standard flexible wall (thickness 75 mm) with fire resistance EI 30, with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|----|----------------|----------------|---|---|---|---|
| 40 - 155 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 45 | v _e | - | i | ↔ | o | S |
| | | E | - | 60 | v _e | - | i | ↔ | o | S |

- Fire damper installed on the insulated duct, remote from the standard flexible wall (thickness 100 mm) with fire resistance EI 90, with penetration seal made of ACB:

| Gap sealing width range | Fire damper FDMB size range | E | l | t | v _e | h _o | i | ↔ | o | S |
|-------------------------|-------------------------------|---|---|----|----------------|----------------|---|---|---|---|
| 40 - 130 mm | 100 x 100 mm to 1000 x 500 mm | E | l | 90 | v _e | - | i | ↔ | o | S |



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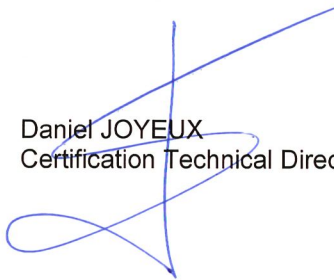
DECLARED CHARACTERISTICS

| | |
|---|---|
| Nominal activation conditions: Sensing element load bearing capacity: Sensing element response temperature: | Compliant Compliant |
| Response delay (closure time): | Compliant (<2 min) |
| Operational reliability: | 50 cycles - Compliant |
| Durability of response delay: | Compliant |
| Durability of operational reliability: | 10 000 cycles + 100 cycles + 100 cycles - Compliant |

Certificate established at Belfast on: 18th June 2024.

The Certification Technical Director,

Daniel JOYEUX
Certification Technical Director



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