

**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 fulfils all the prescribed requirements set out above.

This certificate, first issued on **6<sup>th</sup> 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 the: **29<sup>th</sup> of December 2025.**

  
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: PK3-02-22-906-E-2.**

**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"> <li>Cross-sectional size (w x h) : 100 x 100 mm to 1000 x 500 mm or 500 x 1000 mm</li> </ul> |
| Damper body in galvanized steel sheet:  | Thickness 1.0 mm<br>Length: 375 or 500 mm   |
| Damper blade in calcium -silicate board:  | Thickness: 30 mm  |
| Supporting constructions and installation types, as described in the classification reports PK3-02-22-906-E-2 |   |

**DRIVING MECHANISM**

Dampers are equipped with one of the following actuator types:

- Mechanical actuator (sizes M1 to M5), manufacturer MANDIK, thermal fuse 72°C
- Servo actuator BF, BFN, BFL, manufacturer BELIMO, thermal fuse 72°C

**CLASSIFICATION**

**Pressure differential -300 Pa**

Fire damper FDMB of cross-section 100x100 mm to 1000 x 500 mm, installed as follows:

- Within standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of ACBH with gap sealing width of 40-200 mm
- Within standard flexible wall (thickness 100 mm) with fire resistance EI 90, with installation frame E5:
- Within cross laminated timber wall WCLT (thickness 100 mm) with fire resistance REI 60, with gap sealing made of ACBH with gap sealing width of 40-200 mm
- Within cross laminated timber wall WCLT (thickness 100 mm) with fire resistance REI 60, with gap sealing made of GM with gap sealing width of 50-150 mm
- Within shaft wall British Gypsum WSBG87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 100 mm
- Within shaft wall British Gypsum WSBG87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of GM with gap sealing width of 50 mm
- Within shaft wall Siniat WSSn87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 100 mm



Approved body  
**Nr 2822**

- Within shaft wall Siniat WSSn87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of GM with gap sealing width of 50 mm

| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|----|----------------|----------------|---|-------|
| E | I | 90 | v <sub>e</sub> | -              | S | [V/H] |

- Within rockwool fire barrier RWFB (thickness 50 mm) with fire resistance
- Within standard flexible wall (thickness 100 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 40-130 mm
- Within standard flexible wall (thickness 100 mm) with fire resistance EI 60, with gap sealing made of GM with gap sealing width of 50-150 mm

| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|----|----------------|----------------|---|-------|
| E | I | 60 | v <sub>e</sub> | -              | S | [V/H] |

- Within standard flexible wall (thickness 100 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 100 mm
- Within standard flexible wall (thickness 100 mm) with fire resistance EI 60, with gap sealing made of GM with gap sealing width of 50 mm
- Within shaft wall British Gypsum WSBG87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 40-130 mm
- Within shaft wall British Gypsum WSBG87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of GM with gap sealing width of 50-150 mm
- Within shaft wall Siniat WSSn87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 40-130 mm
- Within shaft wall Siniat WSSn87 (thickness 87 mm) with fire resistance EI 60, with gap sealing made of ACBH with gap sealing width of 50-150 mm

| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|----|----------------|----------------|---|-------|
| E | I | 60 | v <sub>e</sub> | -              | S | [V/H] |
| E | - | 90 | v <sub>e</sub> | -              | S | [V/H] |

- Within standard flexible wall (thickness 75 mm) with fire resistance EI 30, with gap sealing made of ACBH with gap sealing width of 40-155 mm
- Within standard flexible wall (thickness 75 mm) with fire resistance EI 30, with gap sealing made of GM with gap sealing width of 50-150 mm

| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|----|----------------|----------------|---|-------|
| E | I | 45 | v <sub>e</sub> | -              | S | [V/H] |
| E | - | 60 | v <sub>e</sub> | -              | S | [V/H] |

- Remote from standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of ACBH with gap sealing width of 40-130 mm, duct IUP120
- Remote from standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of GM with gap sealing width of 50-150 mm, duct IUP120

| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|----|----------------|----------------|---|-------|
| E | I | 90 | v <sub>e</sub> | -              | S | [V/H] |

- Remote from standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of ACBH with gap sealing width of 100 mm, duct IUP120
- Remote from standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of GM with gap sealing width of 50 mm, duct IUP120

| E | I | t   | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
|---|---|-----|----------------|----------------|---|-------|
| E | I | 90  | v <sub>e</sub> | -              | S | [V/H] |
| E | - | 120 | v <sub>e</sub> | -              | S | [V/H] |

- Within standard low-density rigid floor (thickness 150 mm), with gap sealing made of ACBH with gap sealing width of 40-230 mm

| E | I | t   | v <sub>e</sub> | h <sub>o</sub> | S | [H] |
|---|---|-----|----------------|----------------|---|-----|
| E | I | 120 | -              | h <sub>o</sub> | S | [H] |



- Within cross laminated timber floor FCLT (thickness 140 mm) with fire resistance REI 60, with gap sealing made of ACBH with gap sealing width of 40-200 mm
- Within cross laminated timber floor FCLT (thickness 140 mm) with fire resistance REI 60, with gap sealing made of GM with gap sealing width of 40-150 mm

|   |   |    |                |                |   |     |
|---|---|----|----------------|----------------|---|-----|
| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [H] |
| E | I | 90 | -              | h <sub>o</sub> | S | [H] |

- Within cross laminated timber floor FCLT (thickness 140 mm) with fire resistance REI 60, with gap sealing made of ACBH with gap sealing width of 50 mm
- Within cross laminated timber floor FCLT (thickness 140 mm) with fire resistance REI 60, with gap sealing made of GM with gap sealing width of 170 mm

|   |   |     |                |                |   |       |
|---|---|-----|----------------|----------------|---|-------|
| E | I | t   | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
| E | I | 90  | -              | h <sub>o</sub> | S | [H]   |
| E | - | 120 | -              | h <sub>o</sub> | S | [H]   |

### Pressure differential -500 Pa

Fire damper FDMB of cross-section 100x100 mm to 1000 x 500 mm, installed as follows:

- Within standard flexible wall (thickness 100 mm) with fire resistance EI 90, with gap sealing made of GM with gap sealing width of 50-150 mm

|   |   |     |                |                |   |       |
|---|---|-----|----------------|----------------|---|-------|
| E | I | t   | v <sub>e</sub> | h <sub>o</sub> | S | [V/H] |
| E | I | 120 | v <sub>e</sub> | -              | S | [V/H] |

- Within standard low-density rigid floor (thickness 150 mm) with fire resistance REI 60, with gap sealing made of GM with gap sealing width of 50 mm

|   |   |     |                |                |   |     |
|---|---|-----|----------------|----------------|---|-----|
| E | I | t   | v <sub>e</sub> | h <sub>o</sub> | S | [H] |
| E | I | 120 | -              | h <sub>o</sub> | S | [H] |

- Within standard low-density rigid floor (thickness 150 mm) with fire resistance REI 60, with gap sealing made of GM with gap sealing width of 50 mm

|   |   |    |                |                |   |     |
|---|---|----|----------------|----------------|---|-----|
| E | I | t  | v <sub>e</sub> | h <sub>o</sub> | S | [H] |
| E | I | 90 | -              | h <sub>o</sub> | S | [H] |

### DECLARED CHARACTERISTICS

|  |  |
|--|--|
| Nominal activation conditions:         |  |
| Sensing element load bearing capacity: | Compliant  |
| Sensing element response temperature:  | Compliant  |
| Response delay (closure time):         | Compliant (<2 min)   |
| Operational reliability:               | 50 cycles - Compliant  |
| Durability of response delay:          | Compliant  |
| Durability of operational reliability: | Mechanical actuator M – NPD<br>Servo actuator Belimo – C10,000 (10,000 + 100 + 100 cycles) |

Certificate established at Belfast on: 29<sup>th</sup> of December 2025.

Daniel JOYEUX  
 Certification Technical Director

