



Efectis UK/Ireland

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CERTIFICATE OF CONSTANCY OF
PERFORMANCE

CERTIFICATE OF CONSTANCY OF PERFORMANCE

N° 2822-UKCA-CPR-0142

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 **FDMQ-120**

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

and produced in the manufacturing plant located in **Dobriszka 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-0142

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

Reference of the product **FDMQ-120**

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: PK3-02-22-901-E-0, PK3-02-23-906-E-0, PK3-02-23-907-E-0, PK3-02-23-908-E-0.**

DESCRIPTION OF THE RANGE

Rectangular fire damper made of a body, a blade and an actuating mechanism.

Dimensions:	Cross-sectional size (w x h) : 150 x 150 mm to 1500 x 800 mm
Damper body:	<ul style="list-style-type: none"> ○ consisting of 2 parts in galvanized steel sheets ○ thickness: 1.0 mm, 1.5 mm and 2.0 mm ○ length: 375 mm
Damper blade:	consisting of 2 calcium-silicate boards (Promatect H boards– thickness 20 mm) of total thickness 50 mm
Supporting constructions and installation types, as described in the classification reports PK3-02-22-901-E-0, PK3-02-23-906-E-0, PK3-02-23-907-E-0, PK3-02-23-908-E-0 and EXAP report PRA3-02-22-901-E-0, PRA3-02-23-906-E-0:	<ul style="list-style-type: none"> • standard flexible wall, thickness 100 mm, gap sealed with ablative coated batt (width range 20 to 180 mm) • standard flexible wall, thickness 100 mm, gap sealed with gypsum mortar (width range 50 to 150 mm) • remote from standard flexible wall (on insulated duct), thickness 100 mm, gap sealed with ablative coated batt • standard rigid floor, thickness 150 mm, gap sealed with gypsum mortar (width range 70 to 150 mm) • non-standard flexible shaft wall, thickness 107 mm, gap sealed with gypsum mortar (width range 55 to 150 mm) • shaft wall Siniat, thickness 107 mm and fire resistance EI 120, gap sealed with gypsum mortar • assembly of 2x2 dampers installed within rigid floor, thickness 150 mm, gap sealed with gypsum mortar • remote from wall, thickness 100 mm and fire resistance EI 90, on FPL duct.

DRIVING MECHANISM

Mechanical actuator mechanism with thermal fuse:	M type actuator - M1 to M5 (MANDIK) and thermal fuse (72°C, 104°C or 147°C)
Thermoelectric release mechanism:	Belimo actuator type BF, BFL, BFN (72°C, 95°C, 120°C or 140°C)

CLASSIFICATION

- Fire damper installed within standard flexible wall, with penetration seal made of ablative coated batt
 Fire damper installed within standard flexible wall, with penetration seal made of gypsum mortar
 Fire damper installed on insulated duct, remote from standard flexible wall, with penetration seal made of ablative coated batt
 Assembly 2x2 of fire dampers installed within standard flexible wall, with penetration seal made of gypsum mortar
 Fire damper installed on FPL duct, remote from standard flexible wall

Fire damper size range	E	I	t	v _e	h _o	i	↔	o	S
150 x 150 mm to 1500 x 800 mm	E	I	120	v _e	-	i	↔	o	S

- Fire damper installed within non-standard flexible shaft wall, with penetration seal made of gypsum mortar
 Fire damper installed within, shaft wall Siniat, thickness 107 mm and fire resistance EI 120, with penetration seal made of gypsum mortar

Fire damper size range	E	I	t	v _e	h _o	i	↔	o	S
150 x 150 mm to 1500 x 650 mm	E	I	120	v _e	-	i	↔	o	S

- Fire damper installed within standard rigid floor, with penetration seal made of gypsum mortar
 Assembly 2x2 of fire dampers installed within standard rigid floor, gap sealed with gypsum mortar

Fire damper size range	E	I	t	v _e	h _o	i	↔	o	S
150 x 150 mm to 1500 x 800 mm	E	I	120	-	h _o	i	↔	o	S

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:	10 000 cycles + 100 cycles + 100 cycles - Compliant

Certificate established at Belfast on: 18th June 2024.

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