Efectis UK/Ireland

Efectis UK / Ireland Limited
Firesert Centre Ulster University
Jordanstown Campus, Block 27
Shore Road, Newtownabbey
BT37 0QB Northern Ireland
www.efectis.com

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.** **Dobrisska 550, 26724, Czech Republic**
and produced in the manufacturing plant located in	**Dobrisska 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 the **6th of 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 **10th of October 2025.**

The Certification Technical Director,

Daniel JOYEUX
Certification Technical Director

UKAS PRODUCT CERTIFICATION
10169

Approved body
Nr 2822

Efectis UK / Ireland Limited
Firesert Centre Ulster University
Jordanstown Campus, Block 27
Shore Road, Newtownabbey
BT37 0QB Northern Ireland
www.efectis.com

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: PK3-02-25-903-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:	○ 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 (thickness 20 mm each) with 10 mm thick strips of calcium silicate boards in between. Total thickness of the damper blade is 50 mm
Supporting constructions and installation types, as described in the classification reports PK3-02-25-903-E-0	

DRIVING MECHANISM

Dampers are equipped with one of the following actuator types:
- Mechanical actuator M5, manufacturer Mandik, thermal fuse 72°C
- Servo actuator BF, manufacturer Belimo, thermal fuse 72°C
- MODULAR actuator N5, manufacturer Mandik, thermal fuse 72°C

CLASSIFICATION

Pressure differential -300 Pa

Fire damper FDMQ 120 of cross-section 1500x800 mm, blade axis horizontal, installed within:
- standard flexible wall of thickness 100 mm, fire resistance EI 60, gap sealing made of ACBH, with gap sealing width of 20-180 mm.
- standard flexible wall of thickness 100 mm, fire resistance EI 60, gap sealing made of GM, with gap sealing width of 50-150 mm.
- standard flexible wall of thickness 100 mm, fire resistance EI 60, gap sealing made of GM, with gap sealing width of 50-150 mm, battery of up to 2x2 dampers.
- shaft wall British Gypsum of thickness 107 mm, fire resistance EI 120, gap sealing made of GM, with gap sealing width of 50-150 mm.
- shaft wall British Gypsum of thickness 107 mm, fire resistance EI 120, gap sealing made of ACBH, with gap sealing width of 20-60 mm, two dampers in one penetration.

UKAS PRODUCT CERTIFICATION
10169

Approved body
Nr 2822

- shaft wall British Gypsum of thickness 107 mm, fire resistance EI 120, gap sealing made of GM, with gap sealing width of 50-150 mm, two dampers in one penetration.
- shaft wall Siniat of thickness 107 mm, fire resistance EI 120, gap sealing made of GM, with gap sealing width of 50-150 mm.
- sandwich wall Euroclad of thickness 150 mm, fire resistance EI 120, gap sealing made of CMW, with gap sealing width of 20-200 mm.

E	I	t	v_e	h_o	S	[H]
E	**I**	**120**	**v_e**	-	**S**	**[H]**

- standard low density rigid floor of thickness 150 mm, gap sealing made of GM, with gap sealing width of 50-150 mm.
- standard low density rigid floor of thickness 150 mm, gap sealing made of GM, with gap sealing width of 50-150 mm, battery of up to 2x2 dampers.

E	I	t	v_e	h_o	S	[H]
E	**I**	**120**	-	**h_o**	**S**	**[H]**

Fire damper FDMQ 120 of cross-section 1500x800 mm, blade axis horizontal, installed remote from:

- standard flexible wall of thickness 100 mm, fire resistance EI 90, gap sealing made of ACBH, with gap sealing width of 100 mm, duct insulated wit IUP system.
- standard flexible wall of thickness 100 mm, fire resistance EI 90, gap sealing made of FPL collar, with gap sealing width of 100 mm, duct insulated wit FPL system.

E	I	t	v_e	h_o	S	[H]
E	**I**	**120**	**v_e**	-	**S**	**[H]**

Pressure differential -500 Pa

Fire damper FDMQ 120 of cross-section 1500x800 mm, blade axis horizontal, installed within:

- standard flexible wall of thickness 100 mm, fire resistance EI 60, gap sealing made of GM, with gap sealing width of 50 mm.

E	I	t	v_e	h_o	S	[H]
E	**I**	**120**	**v_e**	-	**S**	**[H]**

- standard flexible wall of thickness 100 mm, fire resistance EI 60, gap sealing made of GM, with gap sealing width of 50-150 mm.

E	I	t	v_e	h_o	S	[H]
E	**I**	**90**	**v_e**	-	**S**	**[H]**
E	-	**120**	**v_e**	-	**S**	**[H]**

- standard low density rigid floor of thickness 150 mm, gap sealing made of GM, with gap sealing width of 50-150 mm.

E	I	t	v_e	h_o	S	[H]
E	**I**	**90**	-	**h_o**	**S**	**[H]**
E	-	**120**	-	**h_o**	**S**	**[H]**

- standard low density rigid floor of thickness 150 mm, gap sealing made of GM, with gap sealing width of 50 mm.

E	I	t	v_e	h_o	S	[H]
E	**I**	**120**	-	**h_o**	**S**	**[H]**

UKAS PRODUCT CERTIFICATION
10169

Approved body
Nr 2822

Efectis UK / Ireland Limited
Firesert Centre Ulster University
Jordanstown Campus, Block 27
Shore Road, Newtownabbey
BT37 0QB Northern Ireland
www.efectis.com

CERTIFICATE OF CONSTANCY OF PERFORMANCE
N° 2822-UKCA-CPR-0142

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	Mechanical actuator M – NPD Mechanical actuator MODULAR – C300 (100 + 100 + 100 cycles) Mechanical actuator Belimo – C10,000 (10,000 + 100 + 100 cycles)

Certificate established at Belfast on the **10th of October 2025.**

The Certification Technical Director,

Daniel JOYEUX
Certification Technical Director

UKAS PRODUCT CERTIFICATION
10169

Approved body
Nr 2822