

CERTIFICATE OF CONSTANCY OF PERFORMANCE

N° 2822-UKCA-CPR-0143

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

Product	Smoke and heat control systems - Smoke control dampers.
Reference of the product	MSD
Placed on the market by or for	MANDIK, a.s. Dobrisška 550, 26724, Czech Republic
and produced in the manufacturing plant located in	Dobrisška 550, 26724, Czech Republic

is submitted by the manufacturer to a factory production control, and that the approved certification body EFFECTIS 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 **EN 12101-8 : 2011** 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 EN 12101-8 : 2011

N° 2822-UKCA-CPR-0143

Product **Smoke and heat control systems - Smoke control dampers.**

Reference of the product **MSD**

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

Description of the field covered by the certificate in accordance with the classification report issued by PAVUS, a.s, no: PK4-02-21-003-E-0.

DESCRIPTION OF THE RANGE

Multi-compartment smoke control damper.

Dimensions:	- Cross-sectional size (w x h) : 160 x 180 mm to 1500 x 800 mm - Length: 375 mm or 500 mm
Body made of 4 parts in galvanized steel sheet	Thickness: 1.5 mm
Blade made of 2 calcium silicate boards (Promatect H - thickness 20 mm)	Total thickness: 50 mm
Leak tightness:	Intumescent tape (Promaseal LFC and Promaseal PL HP, width 50 mm) and silicone or rubber seal
Actuating mechanisms :	- BELIMO type BLE or BEN (15 Nm), type BEE (25 Nm) or type BE (40 Nm) - Schischek In Max 50.75S (75 Nm)
Control module:	Type BRC/Mandik MTS

CLASSIFICATION

E	I	t	(	v _e	-	h _o	-	i	↔	o	)	S	Operating pressure	C _{yy}	HOT 400/30	AA/MA	mono/multi
E	I	120	(	v _{edw}	-	h _{odw}	-	i	↔	o	)	S	-1500/ +500 Pa	C _{mod}	HOT 400/30	AA	multi

Smoke control damper without grille, mounted on surface of a vertical duct:

E	I	t	(	v _e	-	h _o	-	i	↔	o	)	S	Operating pressure	C _{yy}	HOT 400/30	AA/MA	mono/multi
E	I	90	(	v _{ed}	-	-	-	i	↔	o	)	S	-1500/ +500 Pa	C _{mod}	HOT 400/30	AA	multi

Smoke control damper mounted within the compartment structure, with fire stopping Ablative Coated batt:

E	I	t	(	v _e	-	h _o	-	i	↔	o	)	S	Operating pressure	C _{yy}	HOT 400/30	AA/MA	mono/multi
E	I	90	(	v _{ew}	-	h _{ow}	-	i	↔	o	)	S	-1500/ +500 Pa	C _{mod}	HOT 400/30	AA	multi



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DECLARED CHARACTERISTICS

Nominal activation conditions/sensibility:	Compliant
Response delay (response time):	Compliant (<1 min)
Operational reliability:	Compliant
Durability of response delay:	Compliant (<1 min)
Durability of operational reliability:	Compliant

DIRECT FIELD OF APPLICATION

Multi-compartment smoke control dampers can be applied to ducts that have been tested to EN 1366-9 and EN 1366-8 as appropriate, constructed from materials of the same density as those tested or of the same material with a greater density or thickness. Application may not be made where there is a change in the surface protection materials. Any paint surface finish shall be as the duct tested or assessed.

Multi-compartment smoke control dampers tested to EN 1366-10 standard may be used in association with fire resisting ductwork tested to EN 1366-1, as flow control damper.

Multi-compartment smoke control dampers may be applied to builders work (created on site) ducts, concrete or aerated concrete ducts and wall, provided that the multi-compartment smoke control damper has been tested on a duct or in a wall constructed from materials of lower density and thickness (e.g. boards or sheet steel) provided that:

- the concrete/aerated concrete construction has a thickness that complies with the supporting construction information shown in EN 1363-1 and EN 1366-2 for the time period of classification required.
- Correct fire resisting fasteners to suit the materials shall be used.

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