

DECLARATION OF PERFORMANCE

NR 004-05-CPR-2015

1. Unique identification code of the product type:

Fire dampers type mcr FID S/S with a fire resistance classification according EN 13501-3:2005
 EI 120 ($v_e h_o i \leftrightarrow o$) S, EI 90 ($v_e h_o i \leftrightarrow o$) S, EI 60 ($v_e h_o i \leftrightarrow o$) S

2. Intended use and scope of application of the product:

Fire dampers type mcr FID S/S (p/P and p/O) are designed to be used in comfort (general) ventilation systems at places where these systems pass through space dividing elements of certain fire resistance class and as a transfer damper. The dampers are to prevent the spread of fire and smoke via ventilation systems and bringing up clean air from a protected space to the smoked area (in transfer damper case).

3. Manufacturer:

MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site, Ul. Kwarcowa 3a, 83-031 Ciepłowo and 380-470.

4. System of assessment and verification of constancy of performance of the product:

System 1

5. Construction product covered by the harmonised standard:

PN-EN 15650:2010 (EN 15650:2010)

6. Notified body name and No., certificate of conformity No.:

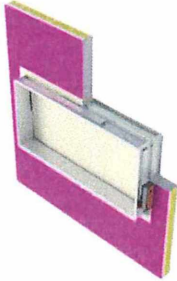
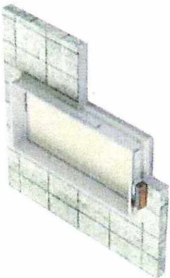
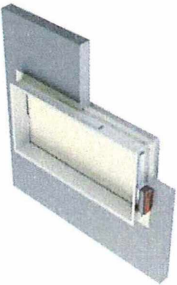
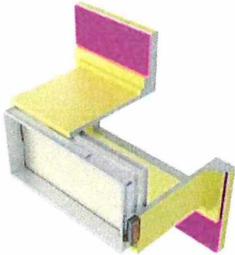
Notified Body No. 1488, ITB, ul. Filtrowa 1, 00-611 Warszawa, Poland
 Certificate of Constancy of Performance: 1488-CPR-0422/W
 Notified Body No. 1396 FIRES, Osloboditel'ov 282, 059 35 Batizovce, Slovakia
 Certificate of Constancy of Performance: 1396-CPR-0103
 Notified Body No. 1488, ITB, ul. Filtrowa 1, 00-611 Warszawa, Poland
 Certificate of Constancy of Performance: 1488-CPR-0422/W
 Notified Body No. 2434, Centrum Techniki Okrętowej S.A, ul. Szczecińska 65, 80-392 Gdańsk, Poland
 Certificate of Constancy of Performance: 2434-CPR-0163

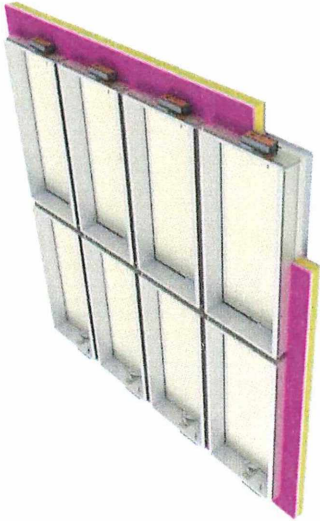
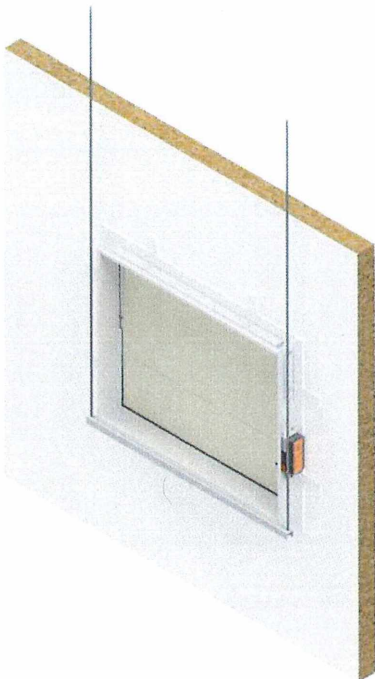
7. Declared performance:

Essential characteristics	EN 15650	Performance		Result
		mcr FID S/S p/P	mcr FID S/S p/O	
Nominal activation conditions/sensitivity	4.2.1.2	ISO 10294-4: 2001, pkt 4.2 ISO 10294-4: 2001, pkt 4.2		Pass
Sensing element response temperature	4.2.1.2.2.			
Sensing element load bearing capacity	4.2.1.2.3			
Response time/ Closure time	4.2.2.2	<2 minutes		Pass
Operational reliability / Cycling	4.3.1. a)	C50		Pass
Fire resistance – integrity	4.1.1 a)	E120, E90, E60	E120, E90, E60	Pass
Fire resistance – insulation	4.1.1 b)	EI120, EI90, EI60	EI120, EI90, EI60	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120, EIS90, EIS60	EIS120, EIS90, EIS60	Pass
Mechanical stability (E class)	4.1.1 a)	-	-	Pass
Maintenance of the cross section (E class)	4.1.1 a)	-	-	Pass
Operation time durability:	4.2.1.2.2	-	-	Pass
	4.2.1.2.3	-	-	
Reliability:	4.3.3.2	10 000	-	Pass

8. Additional properties:

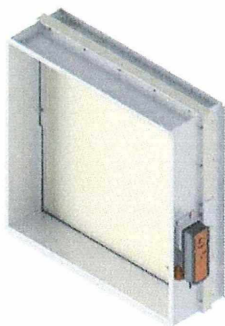
Additional characteristics	EN 15650	Performance		Result
Horizontal / vertical axis of rotation	-	Yes	-	Pass
Fire resistance classification	4.3.2	EI 120 ($v_e h_o i \leftrightarrow o$) S EI 90 ($v_e h_o i \leftrightarrow o$) S EI 60 ($v_e h_o i \leftrightarrow o$) S	EI 120 ($v_e h_o i \leftrightarrow o$) S EI 90 ($v_e h_o i \leftrightarrow o$) S EI 60 ($v_e h_o i \leftrightarrow o$) S	Pass
Size range		rectangular damper: from 200 x 200 to 1500 x 1500 mm, max. surface area not greater than 1.8 m ² round damper: from DIA125 to DIA630 [mm]		

Installation	Type of partition	Damper type	Partition thickness
	lightweight walls/shafts made of boards (1)	mcr FID S/S p/P mcr FID S/S p/O	min. 125mm
	Solid walls/shafts made of concrete blocks, hollow masonry units (2)	mcr FID S/S p/P mcr FID S/S p/O	min. 110mm
	Solid walls/shafts (3)	mcr FID S/S p/P mcr FID S/S p/O	min. 110mm
	Solid ceiling (4)	mcr FID S/S p/P mcr FID S/S p/O	min. 150mm
	Outside the vertical partitions mentioned above (1), (2), (3). Using fire protective board system, providing fire resistance is not less than the resistance of wall	mcr FID S/S p/P	min. 125 mm for (1) min. 110mm for (2), (3)

	Outside the vertical partitions mentioned above : (1), (2), (3). Distance between the dampers: 60mm.	mcr FID S/S p/P	min. 125 mm for (1), (2), (3)
	Sandwich panel wall (5) type AST® L, AST® E, AST® F	mcr FID S/S p/P mcr FID S/S p/O	min. 150 mm (only for EI 90 (ve i↔o) S)

Mounting details included in the device's OMM. The damper assembly is possible with the release and control mechanisms given in the table below.

Release and control mechanisms



Comfort ventilation damper actuators supplied with voltage
24V and 230V

RST/KW1/S with an electromagnetic release device ensuring
remote response comfort

Release and control mechanisms type RST

The performance of the product identified above is in conformity with the set of declared performance/s (point 7). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Gdańsk, 20.07.2026

 **merc**cor
Tomasz Kobyliński
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SYSTEMÓW WENTYLACJI POŻAROWEJ
Tomasz Kobyliński

Rev. 17