

DECLARATION OF PERFORMANCE

NO. 009-05-CPR-2016

1. Unique identification code of the product type:

Fire dampers type mcr WIP PRO /S and mcr WIP PRO /T with a fire resistance classification according EN 13501-3:2005

EI120 (v_e i↔o) S

EI90 (v_e i↔o) S

EI60 (v_e i↔o) S

EI90 (h_o i↔o) S

E120 (h_o i↔o) S

EI180 (v_e i↔o)

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

Fire cut-off dampers type mcr WIP PRO/S and mcr WIP PRO/T are designed to be used in comfort ventilation systems (general ventilation), in places where these systems pass through building partitions with a specific fire resistance. The dampers prevent the spread of fire and smoke while maintaining insulation and/or tightness and/or smoke tightness, depending on the application.

3. Manufacturer:

MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site ul. Kwarцова 3a, Ciepłowo and 48-593 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. 2434 Centrum Techniki Okrętowej S.A., ul. Szczecińska 65, 80-392 Gdańsk, Poland

Certificate of Constancy of Performance: 2434-CPR-003

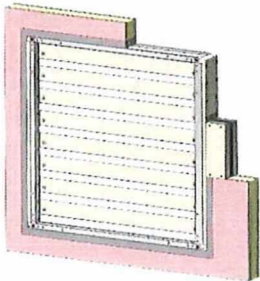
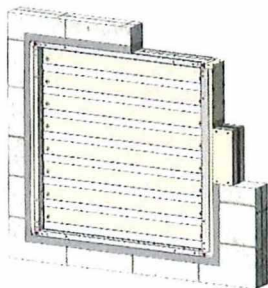
7. Declared performance:

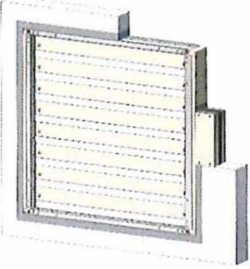
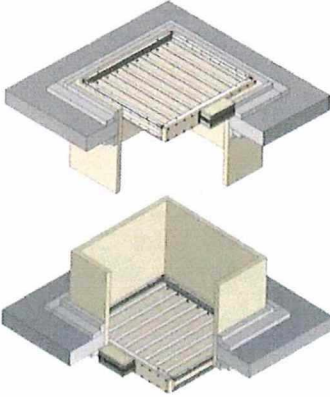
Essential characteristics	EN 15650	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.2		Pass
Sensing element response temperature	4.2.1.2.2.	ISO 10294-4: 2001, pkt 4.2	
Sensing element load bearing capacity	4.2.1.2.3	ISO 10294-4: 2001, pkt 4.2	
Response time/ Closure time	4.2.2.2	<2 minutes	Pass
Operational reliability / Cycling	4.3.1. a)	C50	Pass
Fire resistance – integrity	4.1.1 a)	E60, E90, E120, E180	Pass
Fire resistance – insulation	4.1.1 b)	EI60, EI90, EI120, EI180	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS60, EIS90, EIS120	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

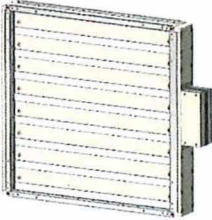
8. Additional properties:

Additional characteristics	EN 15650	Performance	Result
Fire resistance classification	4.3.2	EI120 (v _e i↔o) S EI90 (v _e i↔o) S EI60 (v _e i↔o) S EI90 (h _o i↔o) S EI120 (h _o i↔o) S EI180 (v _e i↔o) / *	Pass
Size range	Rectangular damper: from 110 x 263 to 900 x 1250 [mm], max. surface area not greater than 1.13 m ² for v _e position, horizontal axis of rotation of the damper blade Rectangular damper: from 110 x 263 to 900 x 1250 [mm], max. surface area not greater than 1.13 m ² for v _e position, horizontal or vertical axis of rotation of the damper blade/* Rectangular damper: from 110 x 263 to 1000 x 1000 [mm], max. surface area not greater than 1.0 m ² for h _o position;		
Installation	Vertical flexible standard mounting construction with thickness not smaller than 125mm; Vertical solid standard mounting construction with low density and thickness not smaller than 120mm; Horizontal solid standard construction with high density and thickness not smaller than 150mm; Installation with ducts, installation with a duct and a grid, installation without ducts with grids		
Release and control mechanisms	Actuators with thermal release, 24 AC/DC or 230 AC Release and control mechanism type RST KW1 230P type or RST KW1 24P type with thermo triggering device D type (73,8°C). RST KW1 type mechanism may not be equipped with electromagnetic triggering device.		

*assembly with the masking grid, according to the manufacturer guidelines - WIP PRO /T type.

Installation	Type of assembly	Classification	Partition thickness
	Lightweight walls	EI120 (v _e i↔o) S EI90 (v _e i↔o) S EI60 (v _e i↔o) S EI180 (v _e i↔o) / *	min. 125mm
	Rigid walls made of blocks, bricks or hollow bricks	EI120 (v _e i↔o) S EI90 (v _e i↔o) S EI60 (v _e i↔o) S EI180 (v _e i↔o) / *	min. 120mm

	Rigid reinforced concrete/solid walls	EI120 ($v_e i \leftrightarrow o$) S EI90 ($v_e i \leftrightarrow o$) S EI60 ($v_e i \leftrightarrow o$) S EI180 ($v_e i \leftrightarrow o$) / *	min. 120mm
	Solid ceilings	EI 90 ($h_o i \leftrightarrow o$) S E 120 ($h_o i \leftrightarrow o$) S	min. 150mm

Release and control mechanisms	
	Actuators with thermal release, 24 AC/DC or 230 AC Release and control mechanism with 24 V or 230 V electromagnetic trigger with thermal trigger RST release and control mechanism without electromagnetic trigger, with thermal trigger

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, 01.07.2025

 **mercors**
Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
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