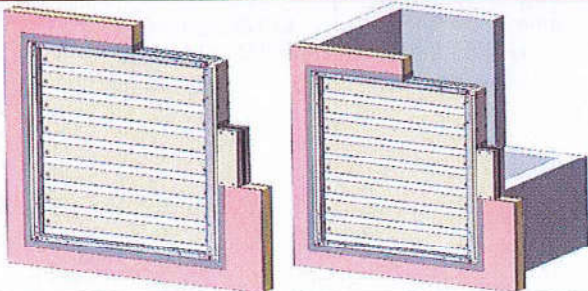


**DECLARATION OF PERFORMANCE**  
**NO. 010-05-CPR-2016**

- Product name:**  
Multi-compartment rectangular smoke control damper type mcr WIP PRO/ V and mcr WIP PRO/ V-M.
- Unique identification code of the product-type:**  
A unique serial No. of each damper is provided on the label.
- Intended use and scope of application of the product:**  
Multi compartment rectangular smoke control damper mcr WIP PRO /V and mcr WIP PRO /V-M are designed to be used in fire ventilation systems. The dampers mcr WIP PRO /V and mcr WIP PRO /V-M are to prevent the spread of fire and smoke via ventilation systems.
- Manufacturer:**  
„MERCOR” S.A., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Zakład Produkcyjny, Ul. Kwarцова 3a, 83-031 Ciepłowo and 380-470.
- System of assessment and verification of constancy of performance of the product:**  
System 1
- Construction product covered by the harmonized standard:**  
PN-EN 12101-8:2012 (EN 12101-8:2011)
- 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-0014
- Declared performance:**

Essential characteristics	EN 12101-8:2011	Performance	Result
Response time/ Closure time	4.2.1.4	30s /60s	Pass
Operational reliability - cycling	4.3.2.2	C 10.000	Pass
Fire resistance – integrity	4.1.1 a)	E120	Pass
Fire resistance – insulation	4.1.1 b)	EI120	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120	Pass
Fire resistance classification	4.3.2	EI 120 (v <sub>ew</sub> i ↔ o) S1000 C <sub>10.000</sub> AA multi EI 120 (v <sub>ed</sub> i ↔ o) S1000 C <sub>10.000</sub> AA multi	Pass
Size range	Horizontal axis rectangular damper: from 110x263 to 900x1250 [mm] for vew Vertical axis rectangular damper: from 110x263 to 1250x1250 [mm] for vew Horizontal axis rectangular damper: from 110x263 to 1250x1250 [mm] for ved A battery of dampers consisting of a maximum of 4 dampers with dimensions of a single damper with a horizontal axis of rotation: 110x263 to 1060x1025 [mm] and/ or a vertical axis of rotation: 110x263 to 1125x960 [mm]		
Installation	lightweight walls/shafts made of boards – min. wall thickness 125 mm. Solid walls/shafts made of concrete blocks, hollow masonry units, masonry with all fire resistance equal to or greater than the resistance required for the damper Fire protection ducts according to EN 1366-8 or EN 1366-9 with equal or less fire resistance		
Release and control mechanisms	Actuators for 24V and 230V		

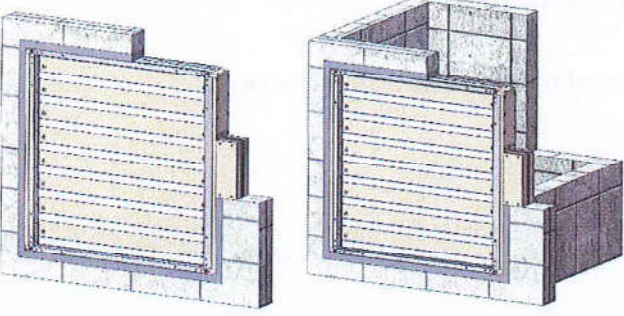
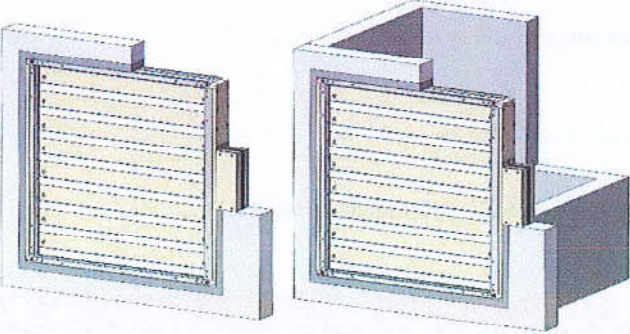
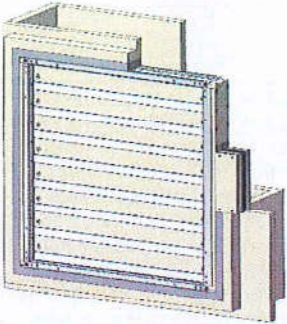
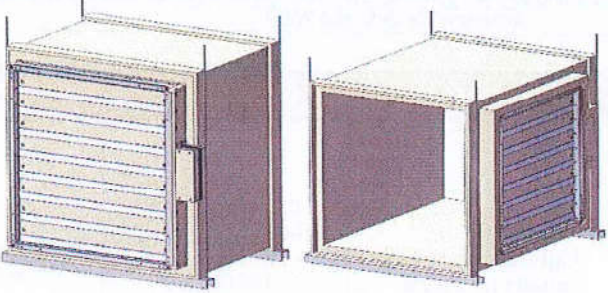
Installation	Type of assembly	Classification	Partition thickness
	Lightweight walls / shafts of drywall	EI 120 (v <sub>ew</sub> i ↔ o) S1000 C <sub>10.000</sub> AA multi or EI 120 (v <sub>ed</sub> i ↔ o) S1000 C <sub>10.000</sub> AA multi	min. 125mm

1/4



**Systemy zabezpieczeń przeciwpożarowych**  
**Fire protection systems**

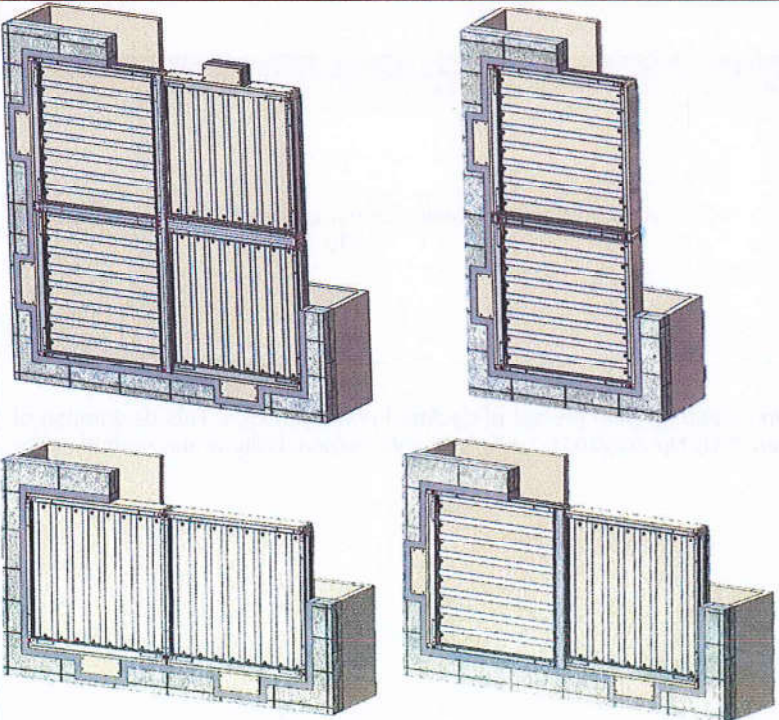
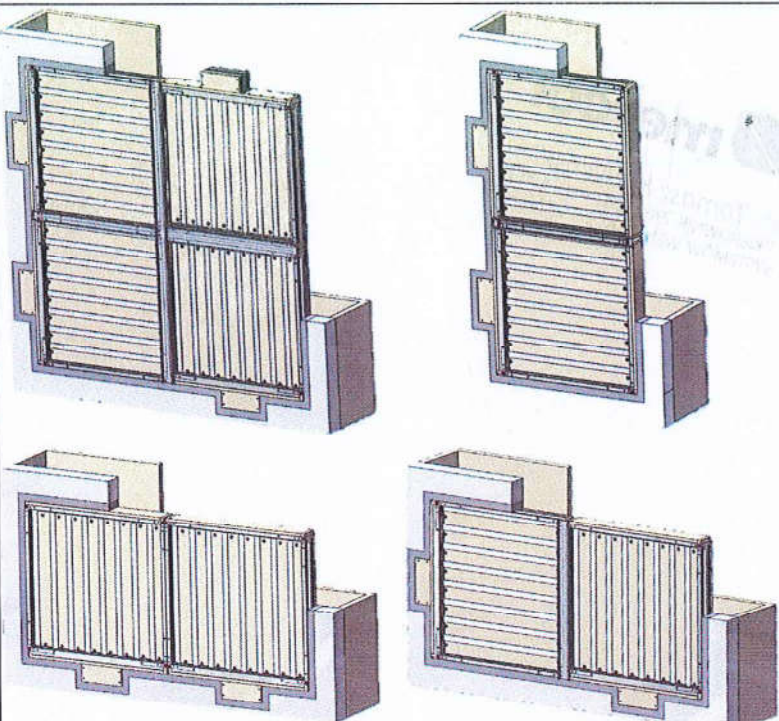
„MERCOR” S.A.  
ul. Grzegorza z Sanoka 2, 80-408 GDAŃSK, Polska  
tel. (+48 58) 341 42 45, fax (+48 58) 341 39 85  
e-mail: mercor@mercor.com.pl  
www.mercor.com.pl

Installation	Type of assembly	Classification	Partition thickness
	Rigid walls / shafts of blocks	EI 120 (v <sub>ew</sub> i↔o) S1000 C <sub>10,000</sub> AA multi or EI 120 (v <sub>ed</sub> i↔o) S1000 C <sub>10,000</sub> AA multi	min. 125mm
	Solid walls/ shafts	EI 120 (v <sub>ew</sub> i↔o) S1000 C <sub>10,000</sub> AA multi or EI 120 (v <sub>ed</sub> i↔o) S1000 C <sub>10,000</sub> AA multi	min. 125mm
	Smoke extraction ducts according to EN1366-8	EI 120 (v <sub>ed</sub> i↔o) S1000 C <sub>10,000</sub> AA multi	-
	Smoke extraction ducts according to EN 1366-8 or EN 1366-9	EI 120 (v <sub>ed</sub> i↔o) S1000 C <sub>10,000</sub> AA multi	-



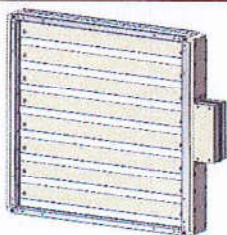
**Systemy zabezpieczeń przeciwpożarowych**  
**Fire protection systems**

„MERCOR” S.A.  
ul. Grzegorza z Sanoka 2, 80-408 GDAŃSK, Polska  
tel. (+48 58) 341 42 45, fax (+48 58) 341 39 85  
e-mail: mercor@mercor.com.pl  
www.mercor.com.pl

Installation	Type of assembly	Classification	Partition thickness
	Rigid walls / shafts of blocks	EI 120 (v <sub>ew</sub> i→o) S1500 C <sub>10.000</sub> AA multi	min. 125mm
	Solid walls/ shafts	EI 120 (v <sub>ew</sub> i→o) S1500 C <sub>10.000</sub> AA multi	min. 125mm

Certified installation with attached masking grilles, at the end of the installation or fireproof ducts.

Release and control mechanisms



Actuators for fire ventilation dampers powered by 24V and 230V

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

Gdańsk, 14.08.2020

  
Tomasz Kobylński  
DZIAŁ PRODUKCJI  
SYSTEMY KOBYLŃSKI  
SYSTEMY KOBYLŃSKI

Rev. 6