

## 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  
EI 120 ( $v_e i \leftrightarrow o$ ) S, EI180 ( $v_e i \leftrightarrow o$ )  
EI 90 ( $h_o i \leftrightarrow o$ ) S / E 120 ( $h_o i \leftrightarrow o$ ) S

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

Fire cut-off type mcr WIP PRO/S 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 dampers type mcr WIP PRO/T as a transfer dampers. The fire damper can be used in applications with ducting (mcr WIP PRO/S) or without ducting (mcr WIP PRO/T). 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 the case of transfer dampers, which are not connected to any ventilation duct).

**3. Manufacturer:**

MERCOR SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site ul. Kwarцова 3a, Ciepłewo 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
<b>Nominal activation conditions/sensitivity</b>	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	
<b>Response time/ Closure time</b>	4.2.2.2	<2 minutes	Pass
<b>Operational reliability / Cycling</b>	4.3.1. a)	C50	Pass
<b>Fire resistance – integrity</b>	4.1.1 a)	E120, E90, E180	Pass
<b>Fire resistance – insulation</b>	4.1.1 b)	EI120: $v_e$ EI90: $h_o$ EI180: $v_e$	Pass
<b>Fire resistance – smoke leakage</b>	4.1.1 c)	EIS120, EIS90	Pass
<b>Mechanical stability (E class)</b>	4.1.1 a)	-	Pass
<b>Maintenance of the cross section (E class)</b>	4.1.1 a)	-	Pass
<b>Operation time durability:</b>	4.2.1.2.2 4.2.1.2.3	-	Pass
<b>Reliability:</b>	4.3.3.2	10.000	Pass

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

„MERCOR” S.A.  
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**8. Additional properties:**

Additional characteristics	EN 15650	Performance	Result
Fire resistance classification	4.3.2	EI 120 ( $v_e i \leftrightarrow o$ ) S, EI180 ( $v_e i \leftrightarrow o$ )* EI 90 ( $h_o i \leftrightarrow o$ ) S / E 120 ( $h_o i \leftrightarrow o$ ) S	Pass
Size range	Rectangular damper: from 110 x 263 to 900 x 1250 [mm], max. surface area not greater than 1.13 m <sup>2</sup> for $v_e$ position; Rectangular damper: from 110 x 263 to 1000 x 1000 [mm], max. surface area not greater than 1.0 m <sup>2</sup> 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;		
Release and control mechanisms	Belimo actuators type: BFN230-T, BFN24-T, BF230-T, BF230-TN, BF24-T, BF24-TN, BFL230-T, BFL24-T with thermal release BAE72, BAE95, BAT72, BAT95, BAT120 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 for mcr WIP PRO /T type.

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, 29.11.2022



Tomasz Kobyliński  
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SYSTEMY WENTYLACJI POŻAROWEJ  
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Rev. 8

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