

DECLARATION OF PERFORMANCE NO. 008-05-CPR-2016

1. Unique identification code of the product type:

Smoke control damper type mcr WIP IV used in single and multi compartment smoke and heat control systems, with a fire resistance classification according EN 13501-4:2016

EI 120 ($v_{ew} i \leftrightarrow o$) 1000C_{10 000} AAmulti – used in multi compartment smoke and heat control system

E₆₀₀120 ($v_e i \leftrightarrow o$) 1000C_{10 000} AAsingle - used in single compartment smoke and heat control systems

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

Smoke control dampers type mcr WIP IV are intended for use in the following types of systems: exhaust systems, aeration systems, relief systems, duct systems, and inert gas extinguishing systems. The dampers are designed to control single and multiple fire zones.

3. Manufacturer:

MERCOR SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site ul. Kwarцова 3a, Cieplewo 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 12101-8:2012 (EN 12101-8:2011).

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

Notified Body No. 1396 FIRES, Osloboditel'ov 282, 059 35 Batizovce, Slovakia

Certificate of Constancy of Performance: 1396-CPR-0117

7. Declared performance:

Essential characteristics	EN 12101-8:2011	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.3	-	Pass
Response time/ Closure time	4.2.1.4	-	Pass
Operational reliability - cycling	4.3.2.2	C 10,000	Pass
Fire resistance – integrity	4.1.1 a)	E120/ E ₆₀₀ 120	Pass
Fire resistance – insulation	4.1.1 b)	EI120	Pass
Fire resistance – smoke leakage	4.1.1 c)	-	-
Mechanical stability (E class)	4.1.1 d)	-	Pass
Maintenance of the cross section (E class)	4.1.1 e)	-	Pass
High working temperature	4.1.1 f)	-	NPD
Durability of response delay	4.4.2.1	-	Pass
Durability of operational	4.4.2.2	10 000	Pass

8. Additional properties:

Additional characteristics	EN 12101-8:2011	Performance	Result
Fire resistance classification	4.4.3	EI 120 (v _{ew} i↔o) 1000C _{10,000} AAmulti E ₆₀₀ 120 (v _e i↔o) 1000C _{10,000} AAsingle	Pass
Size range	rectangular damper or rectangular damper with round adapters of the following dimensions: width: from 120 to 1000 [mm], height: from 160 to 1000 [mm]		
Installation	Rigid walls/shafts made of concrete blocks, hollow masonry units, masonry walls: 110mm		
Release and control mechanisms	Electric actuator voltage: 24V and 230V		

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
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
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