

DECLARATION OF PERFORMANCE NO. 002-05-CPR-2022

1. Unique identification code of the product type:

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

EI 180 ($V_{ed} i \leftrightarrow o$) S1500 C₃₀₀ AA multi

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

The mcr DOR smoke control dampers are intended for use in the following types of systems: exhaust systems, aeration systems, relief systems, duct systems, and inert gas extinguishing systems.

3. Manufacturer:

MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site Ul. Kwarцова 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 harmonized standard:

PN-EN 12101-8:2012 (EN 12101-8:2011).

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.

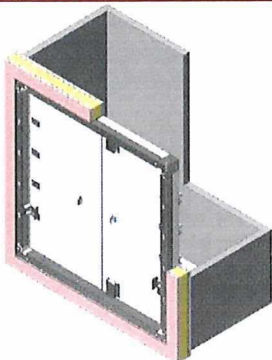
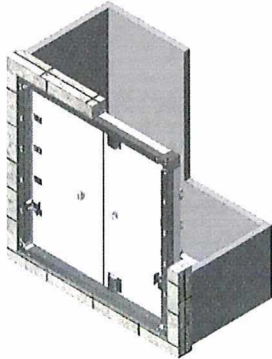
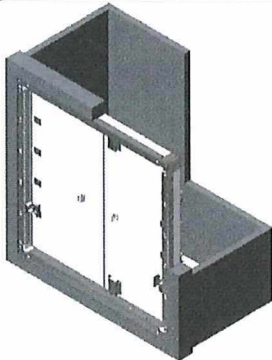
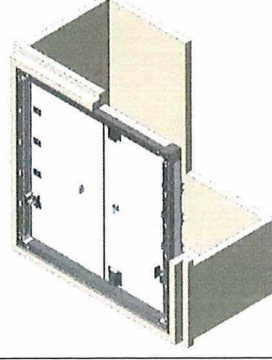
Certificate of Constancy of Performance: 2434-CPR-0246.

7. Declared performance:

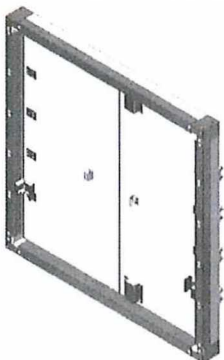
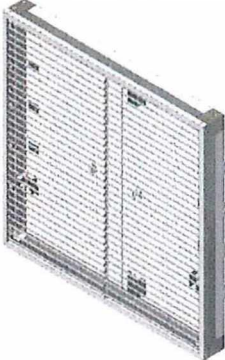
Essential characteristics	EN 12101-8:2011	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.3	-	Pass
Response time/ Closure time	4.2.1.4	-	Pass
Operational reliability - cycling	4.3.2.2	C 300	Pass
Fire resistance – integrity	4.1.1 a)	E180	Pass
Fire resistance – insulation	4.1.1 b)	EI180	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS180	Pass
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	-	-

8. Additional properties:

Additional characteristics	EN 12101-8:2011	Performance	Result
Fire resistance classification	4.4.3	EI 180 ($V_{ed} i \leftrightarrow o$) S1500 C ₃₀₀ AA multi	Pass
Size range	Rectangular damper: from 480x380 to 1330x1330 [mm]		
Installation	Fire-resistant ducts / walls / shafts in accordance with EN1366-8 or EN 1366-9, with fire resistance equal to or lower than the fire resistance of the damper.		
Release and control mechanisms	Release and control mechanism for 24V and 230V		

Installation	Type of assembly	Classification	Partition thickness
	Lightweight walls / shafts of drywall in accordance with EN1366-8 or EN 1366-9	EI 180 (v _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA
	Rigid walls / shafts of blocks in accordance with EN1366-8 or EN 1366-9	EI 180 (v _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA
	Solid walls/ shafts in accordance with EN1366-8 or EN 1366-9	EI 180 (v _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA
	Smoke extraction ducts according to EN 1366-8 or EN 1366-9	EI 180 (v _{ed} i↔o) S1500 C ₃₀₀ AA multi	NA

NA - not applicable.

Mounting options		
		Certified installation with attached cover grilles or fire ventilation ducts.

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


Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
Tomasz Kobyliński

Rev. 3