Systemy zabezpieczeń przeciwpożarowych
Fire protection systems

Mercor Light&Vent sp. z o.o.
ul. Grzegorza z Sanoka 2
80-408 Gdańsk

tel. (+48) 58 341 42 45

DECLARATION OF PERFORMANCE
NO. 001-12-CPR-2025

1. **Unique identification code of the product type:**
   Smoke control damper type mcr WIP LDX 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→o) S 1500 $C_{10.000}$ AAmulti, E 120 (v_{ew} i < - >o) S 500 $C_{10\,000}$ AAmulti

2. **Intended use and scope of application of the product:**
   The mcr WIP LDX 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. Kwarcowa 3a, 83-031 Cieplewo.

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-0426.

7. **Declared performance:**

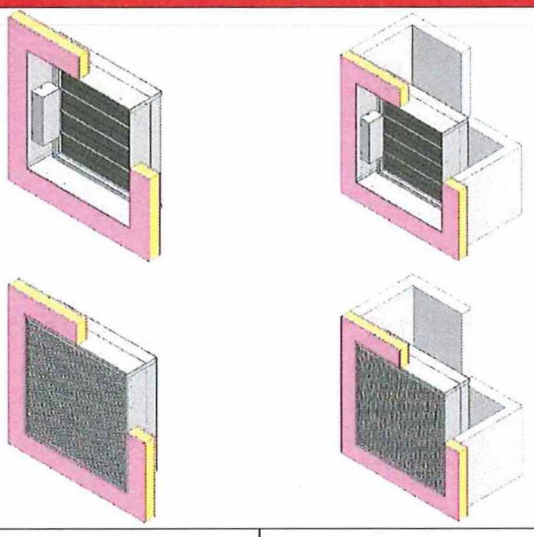
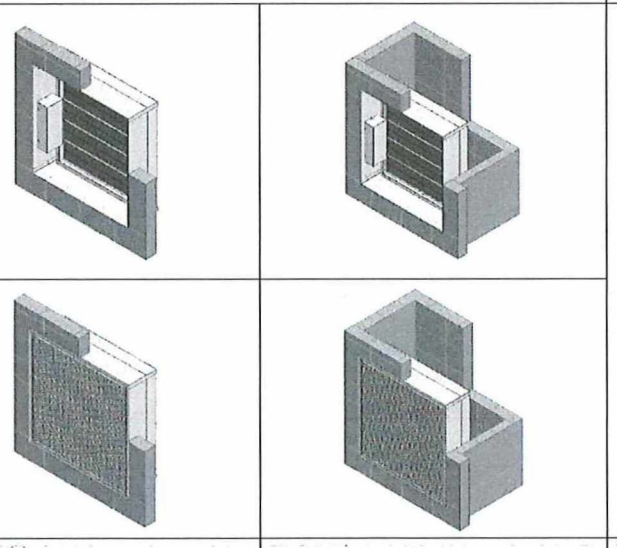
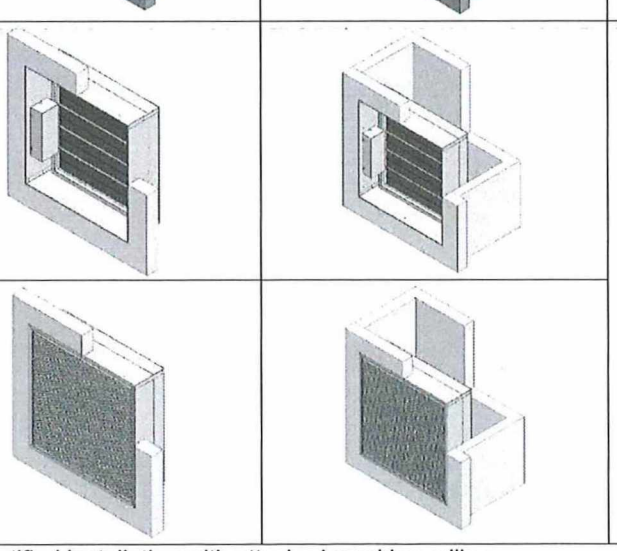
Essential characteristics	EN 12101-8:2011	Performance	Result
Nominal activation conditions/sensitivity	4.2.1.3	-	Pass
Response time/ Closure time	4.2.1.4	-	Pass
Operational reliability - cycling	4.3.2.2	C 10.000	Pass
Fire resistance – integrity	4.1.1 a)	E120	Pass
Fire resistance – insulation	4.1.1 b)	EI120	Pass
Fire resistance – smoke leakage	4.1.1 c)	EIS120	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	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) S1000 $C_{10.000}$ AA multi	Pass
Size range	Rectangular damper: from 300x600 to 1100x2300 [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 – min. wall thickness 125 mm.		
Release and control mechanisms	Actuators for 24V and 230V		

Mercor Light&Vent sp. z o.o.
ul. Grzegorza z Sanoka 2
80-408 Gdańsk

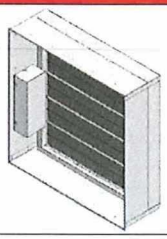
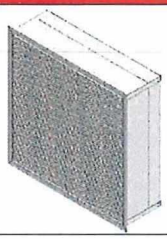
tel. (+48) 58 341 42 45

Installation	Type of assembly	Classification	Partition thickness
	Lightweight walls / shafts of drywall	EI 120 (v_{ew} i→o) S 1500 $C_{10.000}$ AA multi E 120 (v_{ew} i < - >o) S 500 $C_{10\,000}$ AAmulti	min. 125mm
	Rigid walls / shafts of blocks	EI 120 (v_{ew} i→o) S 1500 $C_{10.000}$ AA multi E 120 (v_{ew} i < - >o) S 500 $C_{10\,000}$ AAmulti	min. 125mm
	Solid walls/ shafts	EI 120 (v_{ew} i→o) S 1500 $C_{10.000}$ AA multi E 120 (v_{ew} i < - >o) S 500 $C_{10\,000}$ AAmulti	min. 125mm

Certified installation with attached masking grilles.

Mercor Light&Vent sp. z o.o.
ul. Grzegorza z Sanoka 2
80-408 Gdańsk

tel. (+48) 58 341 42 45

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 (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, 22.12.2025

mercor
Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI SYSTEMÓW WENTYLACJI POŻAROWEJ

Tomasz Kobyliński

Rev. 1