Systemy zabezpieczeń przeciwpożarowych
Fire protection systems

Mercor Light&Vent sp. z o.o.
ul. Grzegorza z Sanoka 2
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tel. (+48) 58 341 42 45

# DECLARATION OF PERFORMANCE
# NR 001-08-CPR-2025

1. **Unique identification code of the product type:**
   Fire dampers type mcr FID WING with a fire resistance classification according EN 13501-3:2005
   EI 120 ($v_e$ $h_o$ i↔o) S
   EI 60 ($v_e$ $h_o$ i↔o) S

2. **Intended use and scope of application of the product:**
   Fire dampers type mcr FID WING 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. The dampers are to prevent the spread of fire and smoke via ventilation systems.

3. **Manufacturer:**
   MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site 48-593.

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. 1812, Efectis France, Espace Technologique, Bâtiment Apollo, Route de l'Orme des Merisiers F-91193 Saint-Aubin.
   Certificate of Constancy of Performance: 1812-CPR-2295, 1812-CPR-2296.

7. **Declared performance:**

| Essential characteristics | EN 15650 | Performance | | Result |
|---|---|---|---|---|
| **Nominal activation conditions/sensitivity**<br>Sensing element response temperature<br>Sensing element load bearing capacity | 4.2.1.2<br>4.2.1.2.2.<br>4.2.1.2.3 | <br>ISO 10294-4: 2001, pkt 4.2<br>ISO 10294-4: 2001, pkt 4.2 | | Pass |
| **Response time/ Closure time** | 4.2.2.2 | <2 minutes | | Pass |
| **Operational reliability / Cycling** | 4.3.1. a) | C50 | | Pass |
| **Fire resistance – integrity** | 4.1.1 a) | E120 | E60 | Pass |
| **Fire resistance – insulation** | 4.1.1 b) | I120 | I60 | Pass |
| **Fire resistance – smoke leakage** | 4.1.1 c) | S120 | S60 | Pass |
| **Mechanical stability (E class)** | 4.1.1 a) | - | - | Pass |
| **Maintenance of the cross section (E class)** | 4.1.1 a) | - | - | Pass |
| **Operation time durability:** | 4.2.1.2.2<br>4.2.1.2.3 | - | - | Pass |
| **Reliability:** | 4.3.3.2 | - | | - |

8. **Additional properties:**

| Additional characteristics | EN 15650 | Performance | | Result |
|---|---|---|---|---|
| **Horizontal / vertical axis of rotation** | - | Yes | Yes | Pass |
| **Fire resistance classification** | 4.3.2 | EI 120 ($v_e$ $h_o$ i↔o) S | EI 60 ($v_e$ $h_o$ i↔o) S | Pass |
| **Size range** | round damper, dimensions: from DIA100 to DIA200 [mm] | | | |

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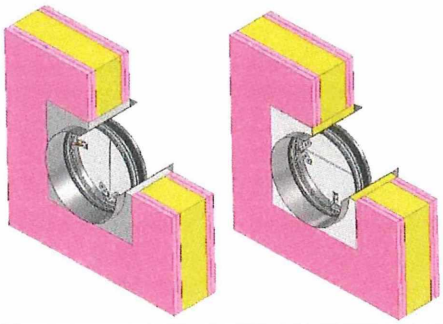
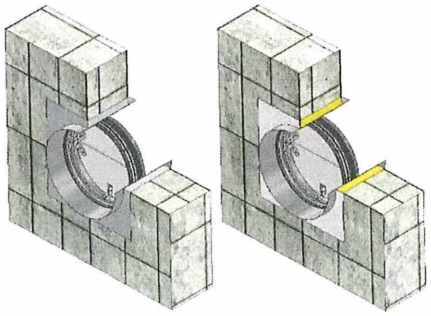
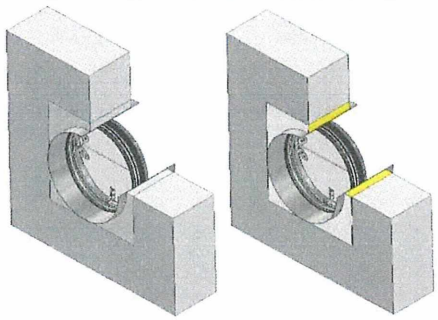
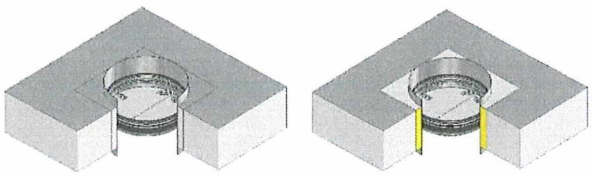
| Installation | Type of partition | Installation type | Partition thickness |
|---|---|---|---|
|  | lightweight walls/shafts made of boards | Using mortar or mineral wool | min. 100mm |
|  | Solid walls/shafts made of concrete blocks, hollow masonry units | Using mortar or mineral wool | min. 100mm |
|  | Solid walls/shafts | Using mortar or mineral wool | min. 100mm |
|  | Solid ceiling | Using mortar | min. 100 for EIS 120<br>min. 150mm for EIS 120 (AN) |

*Installation of the damper is also possible with the use of the supply-exhaust air diffuser. Mounting details included in the device's OMM.*

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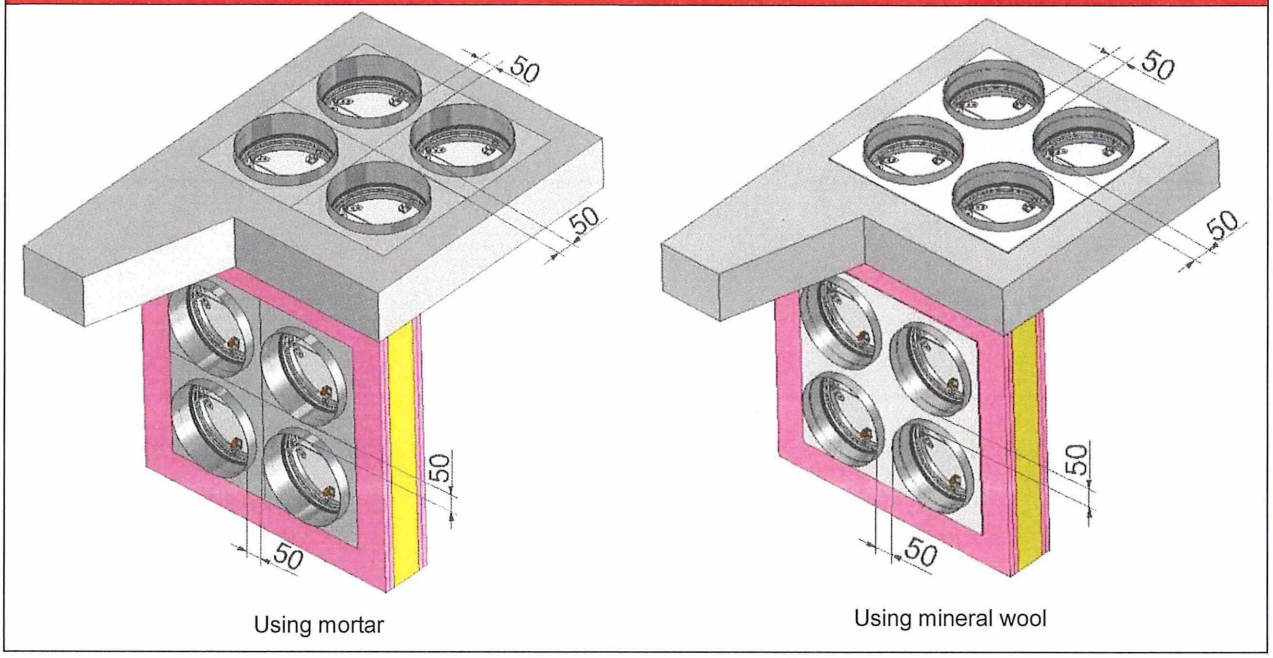
**The minimum distance between the dampers installed in separate ducts**




Using mortar

Using mineral wool

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, 03.04.2026

mercor
Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI SYSTEMÓW WENTYLACJI POŻAROWEJ

Tomasz Kobyliński

Rev. 1