

## DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

DoP no. **MTG PM/09/2024**

- Unique identification code of the product-type: **PFV MW 150**  
**Visible joint wall panel with mineral wool core and metal faces, 150 mm thickness**
- Intended use/es: Vertically oriented sandwich panel for **external walls** and **partition walls**
- Manufacturer: **SC METIGLA SRL**, Ceptura, 107126, Prahova County, Romania
- Authorised representative: Not applicable
- System of AVCP:
  - reaction to fire, fire resistance: **3**
  - other properties: **4**
- Harmonized standard: **EN 14509:2013**  
Notified bodies responsible for assessing fire performances:  
FIRES, s.r.o. (Slovakia) - No. 1396  
ZAG (Slovenian National Building and Civil Engineering Institute) - No. 1404
- Declared performances: Table 1

| Essential characteristics                                                                               | Performance                                   |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Steel grade of faces                                                                                    | min. S250GD+Z275                              |
| Thickness of external face (mm)                                                                         | 0.5; 0.6 mm                                   |
| Coating on external face                                                                                | SP, PVDF 25 µm                                |
| Thickness of internal face (mm)                                                                         | 0.5 mm                                        |
| Coating on internal face                                                                                | SP 15 µm (RAL 9002)                           |
| External face profile type                                                                              | RIB114 (Standard), Flat, Micro-ribbed         |
| Internal face profile type                                                                              | RIB100 (Standard), Flat, Micro-ribbed         |
| Core material                                                                                           | Basalt mineral wool                           |
| Nominal core density (kg/m³)                                                                            | 100 ± 5% kg/m³                                |
| Shear strength (MPa)                                                                                    | f <sub>CV</sub> =0.67 MPa                     |
| Shear modulus of the core (MPa)                                                                         | G <sub>C</sub> =76 MPa                        |
| Compressive strength (MPa)                                                                              | f <sub>CC</sub> =0.05 MPa                     |
| Compressive E-modulus of the core (MPa)                                                                 | E <sub>CC</sub> =1.90 MPa                     |
| Cross panel tensile strength (MPa)                                                                      | f <sub>CT</sub> =0.020 MPa                    |
| Tensile E-modulus of the core (MPa)                                                                     | E <sub>CT</sub> =1.70 MPa                     |
| Bending moment capacity and wrinkling stress                                                            | NPD                                           |
| Thermal conductivity of the core, λ <sub>Declared</sub> (W/mK)                                          | λ <sub>c</sub> =0.043 W/mK                    |
| Thermal transmittance (W/m²K)                                                                           | U <sub>d,s</sub> =0.29 W/m² K                 |
| Reaction to fire (EN 13501-1:2007)<br>(according to ZAG report no. P 0349/15-530-8)                     | A2 – s1, d0                                   |
| Fire resistance (EN 13501-2:2023)<br>(according to FIRES report CR-119-20-AURE 2 <sup>nd</sup> Edition) | Partition wall                                |
|                                                                                                         | EI 240 (maximum allowed span ≤ 4000 mm)       |
|                                                                                                         | EI 180 (maximum allowed span ≤ 7500 mm)       |
|                                                                                                         | External wall                                 |
|                                                                                                         | EI 240 (o↔i) (maximum allowed span ≤ 4000 mm) |
|                                                                                                         | EI 180 (o↔i) (maximum allowed span ≤ 7500 mm) |
| Water permeability                                                                                      | NPD                                           |
| Air permeability                                                                                        | NPD                                           |
| Airborne sound isolation                                                                                | NPD                                           |
| Sound absorption                                                                                        | NPD                                           |
| Dangerous substances                                                                                    | NPD                                           |

The performances achieved complies with the conditions and indications in the Classification Report.

## Dimensional tolerances

The product meets the requirements of dimensional tolerances from Annex D of the standard EN 14509

| Dimension                                                          | Declared value           | Tolerance                     | Tolerance<br>(maximum permissible)                                                                                                                       |
|--------------------------------------------------------------------|--------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thickness of the panel                                             | 150 mm                   | ±3 mm (2 %)                   | D ≤ 100 mm ± 2 mm<br>D > 100 mm ± 2 %                                                                                                                    |
| Deviation from flatness (according to the length of measurement L) | 0.4 mm<br>0.6 mm<br>1 mm | ±0.1 mm<br>±0.2 mm<br>±0.4 mm | For L=200 mm - Deviation from flatness 0.6 mm<br>For L=400 mm - Deviation from flatness 1.0 mm<br>For L>700 mm - Deviation from flatness 1.5 mm          |
| Depth of metal profile (ribs)                                      | 0.7 mm                   | ± 30%                         | d <sub>s</sub> ≤ 1 mm ± 30 % of d <sub>s</sub>                                                                                                           |
| Length of the panel                                                | L                        | ±5 mm<br>±10 mm               | L ≤ 3 m ± 5 mm<br>L > 3 m ± 10 mm                                                                                                                        |
| Cover width of the panel                                           | 1190                     | ±2 mm                         | w ± 2 mm                                                                                                                                                 |
| Deviation from squareness                                          | 5 mm                     | ±1 mm                         | 0.006 x w (nominal cover width)                                                                                                                          |
| Deviation from straightness (on length)                            | 1 mm/m<br>max 5 mm       | -                             | 1 mm per metre, maximum 5 mm                                                                                                                             |
| Bowing                                                             | 1 mm/m<br>max 10 mm      | -                             | 2 mm pe metre length, maximum 10 mm<br>8.5 mm per metre width for flat or lightly profiled – h ≤ 10 mm<br>10 mm per metre width for profiles – h > 10 mm |

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

This Declaration of Performance is available on Metigla web pages: [www.metigla.ro](http://www.metigla.ro); [www.metigla.be](http://www.metigla.be)

Signed for and on behalf of the manufacturer by:

Cristian MĂTĂȘEL  
General Manager

Ceptura, Prahova





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**EN 14509:2013**

Metal faced insulating panel for use in buildings

Unique identification code of the product-type: **PFV MW 150**

**DoP no. MTG PM/09/2024**

Insulation: Basalt mineral wool, density  $100 \pm 5\%$  kg/m<sup>3</sup> Thickness: 150 mm.

Mass: 23,80 kg/m<sup>2</sup>.

Facings:

External: Steel 0,6 mm S250GD (EN 10346) Coating: SP/PVDF 25 µm

Internal: Steel 0,5 mm S250GD (EN 10346) Coating: SP 15 µm

**Use: external walls and partition walls**

Thermal transmittance: 0.29 W/m<sup>2</sup> K

Thermal conductivity: 0.043 W/mK

Reaction to fire (EN 13501-1): A2 – s1, d0

Fire resistance (EN 13501-2): *according to FIRES report CR-119-20-AURE 2<sup>nd</sup> Edition*

Water permeability: NPD

Air permeability: NPD

Airborne sound isolation: NPD

Sound absorption: NPD

Dangerous substances: NPD

Durability: Pass – all colours