

## DECLARATION OF PERFORMANCE

no S/04/2026

**Unique identification code of the product-type:**

S/04/2026 - GS insPIRe S

**Harmonised standard:** EN 14509:2013

**System/s of AVCP:** System 1

**Notified body/ies:** ICiMB (No. 1487), Certbud (No. 2310)

**Intended use/es:** Internal and external walls, ceilings

**Manufacturer::** GÓR-STAL Sp. z o.o., ul. Przemysłowa 11, 38-300 Gorlice, POLAND

**Declared performance/s:**

|                                        |  |  |     | GS insPIRe<br>S40                            | GS insPIRe<br>S60                    | GS insPIRe<br>S80 | GS insPIRe<br>S100 | GS insPIRe<br>S110 | GS insPIRe<br>S120 | Classification |      |
|----------------------------------------|--|--|-----|----------------------------------------------|--------------------------------------|-------------------|--------------------|--------------------|--------------------|----------------|------|
|                                        |  |  |     | module: 1000, 1140, profil.: L,M,F,R,P / L,P |                                      |                   |                    |                    |                    |                |      |
| Thickness $d_N$                        |  |  |     | 40 mm                                        | 60 mm                                | 80 mm             | 100 mm             | 110 mm             | 120 mm             |                |      |
| Essential characteristics / Parameters |  |  |     | Value of parameters                          |                                      |                   |                    |                    |                    |                |      |
| Thermal properties                     |  |  |     |                                              |                                      |                   |                    |                    |                    |                |      |
| Thermal conductivity, $\lambda_D$      |  |  |     | W/m·K                                        | 0,022                                |                   |                    |                    |                    |                |      |
| Thermal transmittance, $U_{dS}$        |  |  |     | W/m <sup>2</sup> ·K                          | 0,60                                 | 0,38              | 0,28               | 0,22               | 0,20               | 0,19           |      |
| Mechanical properties                  |  |  |     |                                              |                                      |                   |                    |                    |                    |                |      |
| Compressive strength (core)            |  |  |     | MPa                                          | 0,10                                 |                   |                    |                    |                    |                |      |
| Tensile strength                       |  |  |     | MPa                                          | 0,060                                |                   |                    |                    |                    |                |      |
| Shear strength                         |  |  |     | MPa                                          | 0,13                                 | 0,12              | 0,10               | 0,10               | 0,10               | 0,10           |      |
| Shear modulus (core)                   |  |  |     | MPa                                          | 3,2                                  | 3,2               | 3,0                | 2,9                | 2,8                | 2,8            |      |
| Bending resistance in the span         |  |  | (+) | ambient<br>temperature                       | kN·m                                 | 3,03              | 4,54               | 6,06               | 7,57               | 8,33           | 9,09 |
| Bending resistance in the span         |  |  | (-) |                                              |                                      | 1,60              | 2,40               | 3,20               | 4,00               | 4,40           | 4,80 |
| Bending resist. at an internal support |  |  | (+) |                                              |                                      | 1,74              | 2,61               | 3,48               | 4,36               | 4,79           | 5,23 |
| Bending resist. at an internal support |  |  | (-) |                                              |                                      | 1,95              | 2,93               | 3,91               | 4,89               | 5,37           | 5,86 |
| Bending resistance in the span         |  |  | (+) | elevated<br>temperature                      | kN·m                                 | 2,96              | 4,44               | 5,93               | 7,41               | 8,16           | 8,90 |
| Bending resistance in the span         |  |  | (-) |                                              |                                      | 1,56              | 2,35               | 3,13               | 3,92               | 4,31           | 4,70 |
| Bending resist. at an internal support |  |  | (+) |                                              |                                      | 1,70              | 2,55               | 3,41               | 4,27               | 4,69           | 5,12 |
| Bending resist. at an internal support |  |  | (-) |                                              |                                      | 1,91              | 2,87               | 3,83               | 4,79               | 5,26           | 5,74 |
| Creep coefficient                      |  |  |     | for t=2.000h:                                | 1,90 (0,5/0,4 mm); 1,62 (0,6/0,5 mm) |                   |                    |                    |                    |                |      |
|                                        |  |  |     | for t=100.000h:                              | 2,95 (0,5/0,4 mm); 2,62 (0,6/0,5 mm) |                   |                    |                    |                    |                |      |
| Reduced long term shear strength (40%) |  |  |     | kPa                                          | 0,052                                | 0,048             | 0,040              | 0,040              | 0,040              | 0,040          |      |
| Reaction to fire (all applications)    |  |  |     | B-s1,d0                                      |                                      |                   |                    |                    |                    |                |      |
| Fire resistance - horizontally         |  |  |     | NPD                                          |                                      |                   | EI 15              |                    |                    | EI 30          |      |
| Fire resistance - vertically           |  |  |     | NPD                                          |                                      |                   | EI 20 / EI15       |                    |                    |                |      |
| Water permeability                     |  |  |     | NPD                                          |                                      |                   |                    |                    |                    |                |      |
| Water vapour permeability              |  |  |     | „Impermeable”                                |                                      |                   |                    |                    |                    |                |      |
| Air permeability                       |  |  |     | NPD                                          |                                      |                   |                    |                    |                    |                |      |
| Airborne sound insulation              |  |  |     | 23(-2,-3) dB                                 |                                      |                   |                    |                    |                    |                |      |
| Sound absorption                       |  |  |     | 0,1 dB                                       |                                      |                   |                    |                    |                    |                |      |
| Dimensional tolerances                 |  |  |     | „Pass”                                       |                                      |                   |                    |                    |                    |                |      |
| Durability                             |  |  |     | „Pass”                                       |                                      |                   |                    |                    |                    |                |      |
| Dengerous substances                   |  |  |     | NPD                                          |                                      |                   |                    |                    |                    |                |      |

EN 14509:2013

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

**"GÓR-STAL" Sp. z o.o.**  
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 REGON 852712117 NIP 738-19-45-154

**DYREKTOR ZAKŁADU**  
  
**Piotr Grzywa**

signed for and behalf of the manufacturer by

Annex to Declaration of Performance  
**no S/04/2026**

## Product information:

|                                   |                                                                                                          |
|-----------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Description:</b>               | Self-supporting insulated sandwich panel with metal facings on both sides                                |
| <b>Core:</b>                      | PIR, 38 kg/m <sup>3</sup>                                                                                |
| <b>Type of profiling:</b>         | L (linear), M (micro-profiling), F (corrugated), R (ribbed), P (smooth)                                  |
| <b>Minimum coating thickness:</b> | 0,5 / 0,4 mm (external / internal)                                                                       |
| <b>Organic coatings:</b>          | SP25, SP35, PVC, PVCF, HDX, Granit, PUR-PA, and others with a PCS $\leq 4.0$ MJ/m <sup>2</sup>           |
| <b>Steel grade:</b>               | S220GD, S250GD, S280GD, S320GD; + Z, ZM, AZ; and others with yield strength $\geq 220$ N/mm <sup>2</sup> |

## CE marking information:



Unique identification code of the product-type:

**S/04/2026 - GS insPIRe S**

Harmonised standard: EN 14509:2013

System/s of AVCP: System 1

Notified body/ies: ICiMB (No. 1487), Certbud (No. 2310)

Intended use/es: Internal and external walls, ceilings

Manufacturer:: GÓR-STAL Sp. z o.o., ul. Przemysłowa 11, 38-300 Gorlice, POLAND

Reaction to fire (all applications): B-s1,d0

Thermal conductivity,  $\lambda_D$ : 0,022 W/m·K*Other data related to the CE marking are provided on the product label.*

## Information about the company and certified systems:

[www.gor-stal.pl/en](http://www.gor-stal.pl/en)ISO 9001  
ISO 14001

AQAP

