

DECLARATION OF PERFORMANCE

no S/MAX/04/2026

Unique identification code of the product-type:

S/MAX/04/2026 - GS insPIRe S MAX

Harmonised standard: EN 14509:2013

System/s of AVCP: System 1

Notified body/ies: ICI MB (No. 1487), Certbud (No. 2310), FIRES (No 1396)

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 S40 MAX	GS insPIRe S60 MAX	GS insPIRe S80 MAX	GS insPIRe S100 MAX	GS insPIRe S110 MAX	GS insPIRe S120 MAX	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, λ_D			W/m·K	0,019						
Thermal transmittance, $U_{d,s}$			W/m²·K	0,52	0,33	0,24	0,19	0,18	0,16	
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 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 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 30
Fire resistance - vertically				NPD						EI 30 / EW 30
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.

Gorlice, 01.09.2026

"GÓR-STAL" Sp. z o.o.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
 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/MAX/04/2026

Product information:

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

CE marking information:



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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, λ_D : 0,019 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

