

DECLARATION OF PERFORMANCE

no. D/MAX/04/2026

Unique identification code of the product-type:

D/MAX/04/2026 - GS insPIRe D MAX

Harmonised standard: EN 14509:2013

System/s of AVCP: System 1

Notified body/ies: ICiMB (No 1487), ITB (No 1488), FIRES (No 1396)

Intended use/es: Roofs

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

Declared performance/s:

			GS insPIRe D40 MAX	GS insPIRe D60 MAX	GS insPIRe D80 MAX	GS insPIRe D100 MAX	GS insPIRe D120 MAX	GS insPIRe D150 MAX	GS insPIRe D160 MAX	Classification	
			module: 1000, profilation: T / L, P								
Thickness d_N :			40/80 mm	60/100 mm	80/120 mm	100/140 mm	120/160 mm	150/190 mm	160/200 mm		
Essential characteristics / Parameters			Value of parameters								
Thermal properties											
	Thermal conductivity, λ_D		W/m·K	0,020							
	Thermal transmittance, $U_{d,s}$		W/m²·K	0,50	0,34	0,25	0,20	0,17	0,13	0,13	
Mechanical properties											
	Compressive strength (core)		MPa	0,10							
	Tensile strength		MPa	0,060							
	Shear strength		MPa	0,130	0,120	0,100	0,100	0,100	0,085	0,085	
	Shear modulus (core)		MPa	3,2	3,2	3,0	2,9	2,8	2,4	2,4	
	Bending resistance in the span	(+)	ambient temperature	kN·m	2,72	4,08	5,44	6,80	8,16	10,20	10,88
	Bending resistance in the span	(-)			1,60	2,40	3,20	4,00	4,80	6,00	6,40
	Bending resist. at internal support	(+)	kN·m	2,05	3,07	4,10	5,12	6,15	7,68	8,20	
	Bending resist. at internal support	(-)		2,30	3,45	4,60	5,75	6,90	8,62	9,20	
	Bending resistance in the span	(+)	elevated temperature	kN·m	2,66	3,99	5,33	6,66	7,99	9,99	10,66
	Bending resistance in the span	(-)			1,56	2,35	3,13	3,92	4,70	5,88	6,27
	Bending resist. at internal support	(+)	kN·m	2,00	3,00	4,01	5,01	6,02	7,52	8,03	
	Bending resist. at internal support	(-)		2,25	3,38	4,50	5,63	6,76	8,44	9,01	
	Creep coefficient		for $t=2.000h$:	0,89 (0,4/0,4 mm); 0,85 (0,5/0,5 mm)							
			for $t=100.000h$:	1,20 (0,4/0,4 mm); 1,25 (0,5/0,5 mm)							
	Reduced long term shear strength (40%)		MPa	0,052	0,048	0,040	0,040	0,040	0,034	0,034	
Reaction to fire (all applications)			B-s1,d0								
Fire resistance (details in the classification)			NPD			RE 30 / REI 20					
External fire performance			B _{roof}								
Water permeability			Class A								
Water vapour permeability			„Impermeable”								
Air permeability		(+)	C=0,0046 m3/(hPa^n), n=1,2421								
		(-)	C=0,0033 m3/(hPa^n), n=1,0658								
Airborne sound insulation			0,5/0,5 ; 0,5/0,4 mm : 24(-1,-3) [dB] 0,4/0,4 mm: 24(-2,-4) [dB]								
Dimensional tolerances			„Pass”								
Durability – all colours			„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.
 38-300 Gorlice, ul. Przemysłowa 11
 tel. 018 353 98 00
 REGON 852712117 NIP 738-19-45-154

DYREKTOR ZAKŁADU

Piotr Grzywa

Gorlice, 01.09.2026

signed for and behalf of the manufacturer by

Annex to Declaration of Performance
no. D/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:	T (trapezoidal) / L (linear), P (smooth)
Minimum coating thickness:	0,4 / 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:

Unique identification code of the product-type:

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

Thermal conductivity, λ_D : 0,020 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