

EN, This declaration of performance concerns to **GS insPIRe U** products - Self-supporting double skin metal faced insulating panels with PIR core (galvanized or stainless steel faces, yield strength  $\geq 220$  N/mm<sup>2</sup>), thickness (outer/inner) min. 0,5 / 0,4 mm and for all organic coatings. Modular width: 1000 mm. Facing profile: L(linear), M(microprofiling), F(wavy), R(grooving), G(smooth). Certificate of constancy of performance no. 1487-CPR-174-02 issued by notified body ICiMB (no. 1487).



## DECLARATION OF PERFORMANCE

no. U/04/2022

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

**GS insPIRe U** [thickness  $d_N$ ] [modular width: 1000] [outer/inner profilation: L,M,F,R,P / L,P]

**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

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

### Declared performance/s:

Unique identification code of the product-type /Name			GS insPIRe U60	GS insPIRe U80	GS insPIRe U100	GS insPIRe U120	GS insPIRe U140	Classification					
			module: 1000, profil.: L,M,F,R,P / L,P										
Thickness			60 mm	80 mm	100 mm	120 mm	140 mm						
Essential characteristics / Parameters			Value of parameters					EN 14509:2013					
Thermal properties													
Thermal conductivity, $\lambda_D$			W/m·K		0,022								
Thermal transmittance, $U_{d,s}$			W/m <sup>2</sup> ·K		0,44	0,29	0,23		0,19	0,16			
Mechanical properties													
Compressive strength (core)			MPa		0,10								
Tensile strength			MPa		0,060								
Shear strength			MPa		0,12	0,10	0,10		0,10	0,090			
Shear modulus (core)			MPa		3,2	3,0	2,9		2,8	2,6			
Bending resistance in the span		(+)	ambient temperature	kN·m	4,54	6,06	7,57		9,09	10,60			
Bending resistance in the span		(-)			2,40	3,20	4,00		4,80	5,60			
Bending resist. at an internal support		(+)			2,61	3,48	4,36		5,23	6,10			
Bending resist. at an internal support		(-)			2,93	3,91	4,89		5,86	6,84			
Bending resistance in the span		(+)			elevated temperature	kN·m	4,44		5,93	7,41	8,90	10,38	
Bending resistance in the span		(-)					2,35		3,13	3,92	4,70	5,48	
Bending resist. at an internal support		(+)					2,55		3,41	4,27	5,12	5,97	
Bending resist. at an internal support		(-)					2,87		3,83	4,79	5,74	6,70	
Reaction to fire (all applications)													
							B-s1,d0						
Fire resistance - horizontally			NPD		EI 15	EI 30							
Fire resistance - vertically			NPD				EI 30						
Water permeability			NPD										
Water vapour permeability			„Impermeable”										
Air permeability		(+)	NPD		C=0,0004 m3/(hPa^n), n=1,0321								
		(-)	NPD		C=0,0046 m3/(hPa^n), n=0,5877								
Airborne sound insulation			23(-2,-3) dB										
Sound absorption			0,1 dB										
Dimensional tolerances			„Pass” (Thickness: $\pm 2$ mm for $\leq 100$ mm nebo 2% pro $\geq 100$ mm)										
Durability			„Pass”										
Dengerous substances			NPD										

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.

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DYREKTOR ZAKŁADU  
Piotr Grzywa

Gorlice, 01.07.2025

signed for and behalf of the manufacturer by