

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 ≥ 220 N/mm²), 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	Value of parameters
Essential characteristics / Parameters							
Thermal properties							
Thermal conductivity, λ_D		W/m·K	0,022				
Thermal transmittance, $U_{d,s}$		W/m ² ·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		kN·m	ambient temperature				
Bending resistance in the span		kN·m	ambient temperature				
Bending resist. at an internal support		kN·m	ambient temperature				
Bending resist. at an internal support		kN·m	ambient temperature				
Bending resistance in the span		kN·m	elevated temperature				
Bending resistance in the span		kN·m	elevated temperature				
Bending resist. at an internal support		kN·m	elevated temperature				
Bending resist. at an internal support		kN·m	elevated temperature				
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 m ³ /(hPa ⁿ), n=1,0321		
		(-)	NPD		C=0,0046 m ³ /(hPa ⁿ), n=0,5877		
Airborne sound insulation		23(-2,-3) dB					
Sound absorption		0,1 dB					
Dimensional tolerances		„Pass” (Thickness: ± 2 mm for ≤ 100 mm nebo 2% pro ≥ 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.

„GÓR-STAL” Sp. z o.o.
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GŁÓWNY TECHNOLOG
Bartłomiej Bochnia

At Gorlice, on 08.09.2022

signed for and behalf of the manufacturer by