

This declaration of performance concerns to **GS insPIRe U MAX** 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), P(smooth). Certificate of constancy of performance no. 1487-CPR-174-02 issued by notified body ICiMB (no. 1487).



DECLARATION OF PERFORMANCE

no. U/MAX/03/2022

Unique identification code of the product-type:

GS insPIRe U [thickness d_N] **MAX** [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)

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 U80 MAX	GS insPIRe U100 MAX	GS insPIRe U120 MAX	GS insPIRe U140 MAX	Classification
Thickness		80 mm	100 mm	120 mm	140 mm	
Essential characteristics / Parameters		Value of parameters				EN 14509:2013
Thermal properties						
Thermal conductivity, λ_D		W/m·K	0,019			
Thermal transmittance, $U_{d,s}$		W/m ² ·K	0,26	0,20	0,16	0,14
Mechanical properties						
Compressive strength (core)		MPa	0,10			
Tensile strength		MPa	0,060			
Shear strength		MPa	0,10	0,10	0,10	0,090
Shear modulus (core)		MPa	3,0	2,9	2,8	2,6
Bending resistance in the span	(+)	kN·m	6,06	7,57	9,09	10,60
Bending resistance in the span	(-)					
Bending resist. at an internal support	(+)	kN·m	3,48	4,36	5,23	6,10
Bending resist. at an internal support	(-)					
Bending resistance in the span	(+)	kN·m	5,93	7,41	8,90	10,38
Bending resistance in the span	(-)					
Bending resist. at an internal support	(+)	kN·m	3,41	4,27	5,12	5,97
Bending resist. at an internal support	(-)					
Reaction to fire (all applications)		B-s1,d0				
Fire resistance		NPD				
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: ± 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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DYREKTOR ZAKŁADU

Piotr Grzywa

Gorlice, 01.07.2025

signed for and behalf of the manufacturer by