

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/02/2020



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
		module: 1000, profil.: L,M,F,R,P / L,P				
Thickness		80 mm	100 mm	120 mm	140 mm	EN 14509:2013
Essential characteristics / Parameters		Value of parameters				
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	0,06			
Shear strength		MPa	0,100	0,100	0,100	0,090
Shear modulus (core)		MPa	3,0	2,9	2,8	2,6
Bending resistance in the span		kN·m	8,00	7,50	9,40	9,40
Bending resistance in the span		kN·m	5,20	5,80	6,40	6,40
Bending resist. at an internal support		kN·m	4,00	5,80	5,60	5,60
Bending resist. at an internal support		kN·m	3,40	5,70	6,20	6,20
Bending resistance in the span		kN·m	6,08	5,70	7,14	7,14
Bending resistance in the span		kN·m	3,95	4,41	4,86	4,86
Bending resist. at an internal support		kN·m	3,04	4,41	4,26	4,26
Bending resist. at an internal support		kN·m	2,58	4,33	4,71	4,71
Reaction to fire (all applications)		B-s1,d0				
Fire resistance		NPD				
Water permeability		NPD				
Water vapour permeability		„Impermeable”				
Air permeability		(+)	NPD	C=0,0004 m ³ /(hPa ⁿ), n=1,0321 ($\leq 0,005$ [m ³ /m ² ·h] for $\Delta p=50$ [kPa])		
		(-)	NPD	C=0,0046 m ³ /(hPa ⁿ), n=0,5877 ($0,01$ [m ³ /m ² ·h] for $\Delta p=50$ [kPa])		
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.
38-300 Gorlice, ul. Przemysłowa 11
tel. 018 353 98 00
REGON 852712117 NIP 738-19-45-154

GŁÓWNY TECHNOLOG
Bartłomiej Bochnia

Gorlice, 20.07.2020

place and date of issue

signed for and behalf of the manufacturer by