

This declaration of performance concerns to **GS MW U** products - Self-supporting double skin metal faced insulating panels with mineral wool core (galvanized or stainless steel faces, yield strength ≥ 220 N/mm²), thickness (outer/inner) min. 0,5 / 0,5 mm and for all organic coatings. Modular width: 1000 mm. Facing profile: L(linear), M(microprofiling), F(wavy), R(grooving), P(smooth).



DECLARATION OF PERFORMANCE

no U/MW/03/2022



Unique identification code of the product-type:

- **GS MW U** [thickness dN] [modulus: 1000] [outer/inner profil.: L,M,F,R,P / L,P]

Harmonised standard: EN 14509:2013

System/s of AVCP: System 3

Notified body/ies: ICiMB (Nr 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:				GS MW U80	GS MW U100	GS MW U120	Classification
Thickness				80 mm	100 mm	120 mm	
Essential characteristics / Parameters				Value of parameters			
Thermal properties							
Thermal conductivity, λ_D		W/m·K		0,044			EN 14509:2013
Thermal transmittance, Ud,S		W/m ² ·K		0,56	0,44	0,37	
Mechanical properties							
Compressive strength		MPa		0,055			EN 14509:2013
Tensile strength		MPa		0,050			
Shear strength		MPa		0,040	0,045	0,045	
Shear modulus (core)		MPa		2,5	3,5	3,5	
for facing's thickness:				0,5/0,5 mm	0,5/0,5 mm	0,5/0,5 mm	
Bending resistance in the span	(+)	ambient temperature	kN·m	4,56	5,69	6,83	
Bending resistance in the span	(-)			3,80	4,75	5,70	
Bending resist. at an internal support	(+)	elevated temperature	kN·m	4,22	5,28	6,33	
Bending resist. at an internal support	(-)			3,97	4,96	5,96	
Bending resistance in the span	(+)	elevated temperature	kN·m	2,23	2,79	3,35	
Bending resistance in the span	(-)			1,86	2,33	2,79	
Bending resist. at an internal support	(+)	elevated temperature	kN·m	2,07	2,58	3,10	
Bending resist. at an internal support	(-)			1,95	2,43	2,92	
Reaction to fire (for all end uses)				A2-s1,d0			
Fire resistance (conditions according to classification)				NPD			
Water vapor permeability				„Impermeable”			
Air permeability				NPD			
Acoustic insulation				NPD		32(-2; -3)	
Sound absorption				NPD			
Dimensional tolerances				„Pass” (Thickness: $\pm 2\%$)			
Dangerous 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 PRODUKCJI
Piotr Grzywa

At Gorlice, on 21.01.2022

Signed for and behalf of the manufacturer by