

This declaration of performance concerns to **GS MW S** products with standard joints - Self-supporting double skin metal faced insulating panels with MINERAL WOOL core (galvanized or stainless steel faces, yield strength  $\geq 220$  N/mm<sup>2</sup>), thickness (outer/inner) min. 0,5 / 0,5 mm and for all organic coatings. Modular width: 1000 or 1140 mm. Facing profile: L(linear), M(microprofiling), F(wavy), R(grooving), P(smooth).



## DECLARATION OF PERFORMANCE

no S/MW/06/2022



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

- **GS MW S** [thickness  $d_N$ ] [modulus: 1000 or 1140] [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), Fires (Nr 1396)

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 S 80	GS MW S 100	GS MW S 120	Classification	
				modulus: 1000, 1140, profil.: L,M,F,R,P / L,P				
Thickness				80 mm	100 mm	120 mm		
Essential characteristics / Parameters				Value of parameters			EN 14509:2013	
Thermal properties								
Thermal conductivity, $\lambda_D$		W/m·K		0,044				
Thermal transmittance, $U_d,S$		W/m <sup>2</sup> ·K		0,54	0,43	0,36		
Mechanical properties								
Compressive strength		MPa		0,055				
Tensile strength		MPa		0,050				
Shear strength		MPa		0,040	0,045	0,045		
Shear modulus (core)		MPa		2,5	3,5	3,5		
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		(+)			4,22	5,28		6,33
Bending resist. at an internal support		(-)	elevated temperature	kN·m	3,97	4,96		5,96
Bending resistance in the span		(+)			2,23	2,79		3,35
Bending resistance in the span		(-)			1,86	2,33		2,79
Bending resist. at an internal support		(+)			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 - horizontal)		EI 60						
Fire resistance (conditions according to classification - vertical)		NPD						
Water vapor permeability		„Impermeable”						
Air permeability		NPD						
Acoustic insulation		31(-1;-3)		31(-1;-3)	31(-1;-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.

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DYREKTOR PRODUKCJI  
*Piotr Grzyna*

At Gorlice, on 14.02.2022 r.