

This declaration of performance concerns to **GS MW CH** products - 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. CH/MW/07/2022



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

- **GS MW CH** [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 CH100	GS MW CH120	GS MW CH160	GS MW CH200	GS MW CH250	Classification		
			modulus: 1000, 1140, profil.: L,M,F,R,P / L,P							
Thickness			100 mm	120 mm	160 mm	200 mm	250 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		0,43	0,36	0,27		0,22	0,17
Mechanical properties										
Compressive strength			MPa		0,055					
Tensile strength			MPa		0,050					
Shear strength			MPa		0,045	0,045	0,045		0,045	NPD
Shear modulus (core)			MPa		3,5	3,5	3,5		3,5	NPD
Bending resistance in the span		(+)	ambient temperature	kN·m	5,69	6,83	9,11		11,39	11,39
Bending resistance in the span		(-)			4,75	5,70	7,60		9,50	9,50
Bending resist. at an internal support		(+)	elevated temperature	kN·m	5,28	6,33	8,44		10,55	10,55
Bending resist. at an internal support		(-)			4,96	5,96	7,94		9,93	9,93
Bending resistance in the span		(+)	elevated temperature	kN·m	2,79	3,35	4,46		5,58	5,58
Bending resistance in the span		(-)			2,33	2,79	3,72		4,66	4,66
Bending resist. at an internal support		(+)	elevated temperature	kN·m	2,58	3,10	4,14		5,17	5,17
Bending resist. at an internal support		(-)			2,43	2,92	3,89		4,86	4,86
Reaction to fire (for all end uses)			A2-s1,d0							
Fire resistance (conditions according to classification - horizontal)			EI 120	EI 180		EI 240				
Fire resistance (conditions according to classification - vertical)			EI 120			EI 180				
Water vapor permeability			„Impermeable”							
Air permeability			NPD							
Acoustic insulation			31(-2;-3)	31(-2;-3)	31(-2;-3)	31(-2;-3)	31(-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.  
38-300 Gorlice, ul. Przemysłowa 11  
tel. 018 353 98 00  
REGON 852712117 NIP 738-19-45-154

DYREKTOR ZAKŁADU  
*Piotr Grzywa*

At Gorlice, on 10.06.2022

Signed for and behalf of the manufacturer by