



DECLARATION OF PERFORMANCE

no CH,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]
- **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 S80	GS MW CH100	GS MW CH120	GS MW CH160	GS MW CH200	GS MW CH250	Classificazioni
Thickness			modulus: 1000, 1140, profil.: L,M,F,R,P / L,P						
Essential characteristics / Parameters			Value of parameters						
Thermal properties									
Thermal conductivity, λ_D		W/m·K	0,044						
Thermal transmittance, U_d,S		W/m ² ·K	0,54	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	0,040	0,045	0,045	0,045	0,045	NPD	
Shear modulus (core)		MPa	2,5	3,5	3,5	3,5	3,5	NPD	
for facing's thickness:			0,5/0,5 mm	0,5/0,5 mm	0,5/0,5 mm	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	9,11	11,39	11,39
Bending resistance in the span	(-)			3,80	4,75	5,70	7,60	9,50	9,50
Bending resist. at an internal support	(+)	elevated temperature	kN·m	4,22	5,28	6,33	8,44	10,55	10,55
Bending resist. at an internal support	(-)			3,97	4,96	5,96	7,94	9,93	9,93
Bending resistance in the span	(+)	kN·m	kN·m	2,23	2,79	3,35	4,46	5,58	5,58
Bending resistance in the span	(-)			1,86	2,33	2,79	3,72	4,66	4,66
Bending resist. at an internal support	(+)	kN·m	kN·m	2,07	2,58	3,10	4,14	5,17	5,17
Bending resist. at an internal support	(-)			1,95	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 60	EI 120	EI 180				
Fire resistance (conditions according to classification - vertical)			NPD	EI 120			EI 180		
Water vapor permeability			„Impermeable”						
Air permeability			NPD						
Acoustic insulation			31(-1;-3)	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.

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DYREKTOR PRODUKCJI
Piotr Grzywa

At Gorlice, on 21.01.2021 r.

W imieniu producenta podpisał anufacturer by