

Sandwich panel - GS MW QA S and GS MW QA CH

This declaration of performance concerns to GS MW QA CH and GS MW QA S products - Self-supporting double skin metal faced insulating panels with MINERAL WOOL core with density 85 kg/m³, 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.CH/MWQA/01/2023

Unique identification code of the product-type:

- [no of DoP] - **GS MW QA CH** [thickness d_N] [modulus: 1000 or 1140] [outer/inner profil.: L,M,F,R,P / L,P]
- [no of DoP] - **GS MW QA 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 QA S80	GS MW QA CH100	GS MW QA CH120	GS MW QA CH160	GS MW QA CH200	Classification		
		modulus: 1000, 1140, profil.: L,M,F,R,P / L,P							
Thickness		80 mm	100 mm	120 mm	160 mm	200 mm			
Essential characteristics / Parameters		Value of parameters							
Thermal properties									
Thermal conductivity, λD		W/m·K		0,040					
Thermal transmittance, Ud,S		W/m ² ·K		0,49	0,40	0,33	0,25	0,20	
Mechanical properties									
Compressive strength		MPa		0,035					
Tensile strength		MPa		0,050					
Shear strength		MPa		0,030					
Shear modulus (core)		MPa		1,5					
		for facing's thickness:							
		0,5/0,6 mm	0,5/0,6 mm	0,5/0,6 mm	0,5/0,6 mm	0,5/0,6 mm			
Bending resistance in the span	(+)	ambient temperature	kN·m	3,46	4,33	5,19	6,92	8,65	
Bending resistance in the span	(-)			3,48	4,35	5,22	6,96	8,70	
Bending resist. at an internal support	(+)	elevated temperature	kN·m	4,08	5,10	6,12	8,16	10,20	
Bending resist. at an internal support	(-)			3,14	3,92	4,70	6,27	7,84	
Bending resistance in the span	(+)	elevated temperature	kN·m	2,39	2,99	3,58	4,78	5,97	
Bending resistance in the span	(-)			2,40	3,00	3,60	4,80	6,00	
Bending resist. at an internal support	(+)	elevated temperature	kN·m	2,82	3,52	4,22	5,63	7,04	
Bending resist. at an internal support	(-)			2,16	2,71	3,25	4,33	5,41	
Reaction to fire (for all end uses)		A2-s1,d0							
Fire resistance (conditions according to classification - horizontal)		NPD		EI 120		EI 180			
Fire resistance (conditions according to classification - vertical)		NPD		EI 120					
Water vapor permeability		„Impermeable”							
Air permeability		NPD							
Acoustic insulation		30(-2;-4)							
Sound absorption		NPD							
Dimensional tolerances		„Pass”							
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 ZAKŁADU
Piotr Grzywa

At Gorlice, on 28.04.2023

Signed for and behalf of the manufacturer by