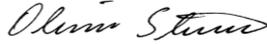


Declaration of Performance No. LE-DE-22.1-SW-MW30-Panel-plus

According to article 4 of the Construction Products Regulation (EU) 305/2011

1	Unique identification code of the product type	SW MW 30 Panel plus		
2	Intended use	Thermal insulation for buildings Flat roof insulation board		
3	Trade name	BACHL Steinwolle® MW30 Panel plus		
	Contact address of the manufacturer	KARL BACHL GmbH & Co. KG, Deching 3, 94133 Röhrnbach, Mail: info@bachl.de Production plant: refer to product label		
4	Contact address of the agent	Not applicable		
5	System of assessment and verification of constancy of performance	System 1 for reaction of fire System 3 for other characteristics		
6	Notified body and certificate of conformity	Product type determination (PTD) according to System 1 (reaction to fire) and System 3 by notified body test laboratory: FIW-München, identification no. 0751		
7	Declaration of performance regarding European Technical Assessment (ETA)	Not applicable		
8	Declared performance			Harmonised technical specification
	Essential characteristics	Features	Performance	
	Thermal resistance	Thermal resistance and thermal conductivity	R_D see table $\lambda_D = 0,036 \text{ W/(mK)}$	EN 13162:2012 +A1:2015
		<i>Table: Thermal resistance in dependence of thickness</i>		
		Thickness d_N [mm]	R_D [m ² K/W]	
		50	1,35	
		60	1,65	
		80	2,20	
		100	2,75	
		120	3,30	
		150	4,15	
			For all other thicknesses you can calculate further R_D -values via linear interpolation or per calculation $R_D = \text{thickness} / \lambda_D$. The thickness needs to be indicated in [m, meters], R_D needs to be rounded down in the second place after the decimal point on 0 or 5.	
	Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity of mineral wool products does not change.		
		Dimensional stability under specified temperature and humidity conditions	DS(70,90)	
	Reaction to fire Euroclass characteristics	Reaction to Fire, Euroclass	A1	
	Durability of reaction to fire against heat, weathering, ageing/degradation	No change in reaction to fire properties for mineral wool products.		
	Compressive strength	Compressive stress at 10 % deformation	CS(10)30; $\geq 30 \text{ kPa}$	
		Point load at 5 mm deformation	PL(5)250; $\geq 250 \text{ N}$	
	Tensile/ Flexural strength	Tensile strength perpendicular to faces	TR7,5; $\geq 7,5 \text{ kPa}$	
	Durability of compressive strength against heat, weathering, ageing/degradation	Long-term compressive creep behaviour	NPD	
	Water permeability	Short-term water absorption	WS	
		Long-term water absorption by partial immersion	NPD	
	Water vapour permeability	Water vapour diffusion resistance factor	MU1	
	Impact noise transmission (for floors)	Dynamic stiffness	NPD	
		Thickness	NPD	
		Compressibility	NPD	
		Flow resistance	NPD	
	Acoustic absorption index	Sound absorption	NPD	
	Direct airborne sound insulation index	Flow resistance	NPD	
	Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
	Glow behaviour	Continuous glowing combustion	NPD	
	<i>NPD: No performance determined</i>			
9	<p>The performance of the product according to point 1 corresponds to the declared performance according to point 8. The sole person responsible for drawing up this declaration of performance is the manufacturer according to point 3. Signed for the manufacturer and on behalf of the manufacturer by:</p> <p>(Name / job position): Leader Quality Assurance i.V. Oliver Stürze</p> <p>(Site, date) (signature): Röhrnbach, 2022-06-02 </p>			