

**DECLARATION OF PERFORMANCE**

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PTRL-DoP/MW/23/133

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRAROOF-B PLUS MW-EN13162-T5-DS(70,90)-CS(10)30-TR7,5-PL(5)250-WS-WL(P)-MU1

**INTENDED USE OR USES**

Factory made mineral wool (MW) products for thermal insulation of buildings.

**PRODUCER**

Head Office

**Name:** PETRALANA S.A.

**Address:** Str. Konstytucji 74  
41-905 BYTOM, Poland

**SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE**

System 1 and System 3

**HARMONIZED STANDARD**

EN 13162:2012+A1:2015

**NOTIFIED CERTIFICATION BODY OR BODIES**

Sieć Badawcza Łukasiewicz – Warszawski Instytut Technologiczny nr 1454

## DECLARATION OF PERFORMANCE

DECLARED CHARACTERISTICS				
ESSENTIAL CHARACTERISTICS	REQUIREMENT CLAUSES IN THIS EUROPEAN STANDARD	SYMBOL	DECLARED LEVEL AND/OR CLASSES	UNIT
Reaction to fire	Reaction to fire	RfF	A1	Euroclass
Release of dangerous substances to the indoor environment	Release of dangerous substances	-	NPD	-
Acoustic absorption index for floors	Sound absorption	$\alpha_{PI}$ (API) i $\alpha_{WI}$ (AWI)	NPD	-
Impact noise transmission index (for floors)	Dynamic stiffness	s' SD	NPD	MN/m <sup>2</sup>
	Thickness, dL	dL	30-200	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	NPD	kPa·s/m <sup>2</sup>
Direct airborne sound insulation index	Air flow resistivity	AFr	NPD	kPa·s/m <sup>2</sup>
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m <sup>2</sup> /KW
		$\lambda$	0,036	W/(mK)
	Thickness	d	30-200	mm
		Class for thickness tolerances	T5	mm
Water permeability	Short time water absorption	WS	<1	kg/m <sup>2</sup>
	Long time water absorption	WL(P)	<3	kg/m <sup>2</sup>
Water vapour permeability	Water vapour transmission	MU	MU1	-
Compressive strength	Compressive stress or compressive strength	CS(10)	30	kPa
	Point load	PL	250	N
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	Reaction to fire	A1	Euroclass
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m <sup>2</sup> /KW
		Declared $\lambda$	0,036	W/(mK)
	Dimensional stability under specified temperature	DS(70,90)	<1	%
Dimensional stability under specified temperature and humidity conditions	<1		%	
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	7,5	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC(1/12/y)δc	NPD	mm

THERMAL RESISTANCE R <sub>D</sub>																	
d [mm]	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	190	200
R <sub>D</sub> [m <sup>2</sup> /KW]	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	3,05	3,30	3,60	3,85	4,15	4,40	5,00	5,25	5,55

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued with respect to Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

QUALITY DEPARTMENT AND CERTIFICATION MANAGER	
Place: <u>Bytom</u>	Date: <u>29.04.2024</u>
KIEROWNIK DZIAŁU KONTROLI JAKOŚCI  <u>mgr inż. Dawid Gołuch</u> Signature	