

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/23/136

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAROOF-D PLUS MW-EN13162-T5-DS(70,90)-CS(10)40-TR10-PL(5)500-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

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DECLARED CHARACTERISTICS					
ESSENTIAL CHARACTERISTICS	REQUIREMENT CLAUSES IN THIS EUROPEAN STANDARD	SYMBOL	DECLARED LEVEL AND/OR CLASSES	UNIT	
Reaction to fire	Reaction to fire	Rf	A1	Euroclass	
Release of dangerous substances to the indoor environment	Release of dangerous substances	-	NPD	-	
Acoustic absorption index for floors	Sound absorption	α_{PI} (APi) i α_{WI} (AWi)	NPD	-	
Impact noise transmission index (for floors)	Dynamic stiffness	s' SD	NPD	MN/m ²	
	Thickness, dL	dL	30-150	mm	
	Compressibility, c	CP	NPD	mm	
	Air flow resistivity	AFr	NPD	kPa·s/m ²	
Direct airborne sound insulation index	Air flow resistivity	AFr	NPD	kPa·s/m ²	
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-	
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m ² K/W	
		λ	0,037	W/(mK)	
	Thickness	d	30-150	mm	
		Class for thickness tolerances	T5	mm	
Water permeability	Short time water absorption	WS	<1	kg/m ²	
	Long time water absorption	WL(P)	<3	kg/m ²	
Water vapour permeability	Water vapour transmission	MU	MU1	-	
Compressive strength	Compressive stress or compressive strength	CS(10)	40	kPa	
	Point load	PL	500	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 ² K/W	
		Declared λ	0,037	W/(mK)	
	Dimensional stability under specified temperature	DS(70,90)	<1		%
			<1		%
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	10	kPa	
Durability of compressive strength against ageing/degradation	Compressive creep	CC(1/12/y)δc	NPD	mm	

THERMAL RESISTANCE R _D																	
d [mm]	30	40	50	60	70	80	90	100	110	120	130	140	150	-	-	-	-
R _D [m ² K/W]	0,80	1,05	1,35	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05	-	-	-	-

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  mgr inż. Dawid Gołuch Signature	