

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/23/142

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAROOF-R PLUS MW-EN13162-T5-DS(70,90)-CS(10)70-TR10-PL(5)650-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 ³
	Thickness, dL	dL	20-150	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	0,039	W/(mK)
	Thickness	d	20-150	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)	70	kPa
	Point load	PL	650	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	0,039	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)6c	NPD	mm

THERMAL RESISTANCE R _D																	
d [mm]	20	30	40	50	60	70	80	90	100	110	120	130	140	150	-	-	-
R _D [m ² K/W]	0,50	0,75	1,00	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30	3,55	3,80	-	-	-

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 Góluś Signature	