

**DECLARATION OF PERFORMANCE**

**DECLARATION OF PERFORMANCE NO.**

PTRL-DoP/MW/23/135

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRAROOF-D PLUS MW-EN13162-T5-CS(10)40-TR10-PL(5)500-WS-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	Rf	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	20-29	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> K/W
		$\lambda$	0,037	W/(mK)
	Thickness	d	20-29	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)	NPD	kg/m <sup>2</sup>
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 <sup>2</sup> K/W
		Declared $\lambda$	0,037	W/(mK)
	Dimensional stability under specified temperature	DS(70,90)	NPD	%
Dimensional stability under specified temperature and humidity conditions	NPD		%	
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 <sub>D</sub>															
d [mm]	20	29	-	-	-	-	-	-	-	-	-	-	-	-	-
R <sub>D</sub> [m <sup>2</sup> KW]	0,50	0,75	-	-	-	-	-	-	-	-	-	-	-	-	-

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
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