

**DECLARATION OF PERFORMANCE**

**DECLARATION OF PERFORMANCE NO.**

PTRL-DoP/MW/23/141

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRAROOF-H PLUS MW-EN13162-T5-DS(70,90)-CS(10)60-TR10-PL(5)600-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	RtF	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	30-150	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	
		$\lambda$	0,039	W/(mK)	
	Thickness	d	30-150	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)	60	kPa	
	Point load	PL	600	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 $\lambda$	0,039	W/(mK)	
	Dimensional stability under specified temperature and humidity conditions	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	10	kPa	
Durability of compressive strength against ageing/degradation	Compressive creep	CC(f1/f2/y)6c	NPD	mm	

### THERMAL RESISTANCE R<sub>D</sub>

d [mm]	30	40	50	60	70	80	90	100	110	120	130	140	150	-	-	-	-
R <sub>D</sub> [m <sup>2</sup> K/W]	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>19/04/2024</u>	KIEROWNIK DZIAŁU KONTROLI JAKOŚCI <u>mgr inż. Dawid Gołuch</u> Signature
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