

**DECLARATION OF PERFORMANCE**

**DECLARATION OF PERFORMANCE NO.**

PTRL-DoP/MW/15/42

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRALIGHT MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AW0,95-AFr5

**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)	0,95	-
Impact noise transmission index (for floors)	Dynamic stiffness	s' SD	NPD	MN/m <sup>2</sup>
	Thickness, dL	dL	100-250	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	5	kPa s/m <sup>2</sup>
Direct airborne sound insulation index	Air flow resistivity	AFr	5	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
		$\lambda$	0,035	W/(mK)
	Thickness	d	100-250	mm
		Class for thickness tolerances	T2	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)	0,5	kPa
	Point load	PL	NPD	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 $\lambda$	0,035	W/(mK)
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)	NPD	%
		NPD	%	
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	NPD	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC( $t_1/t_2$ )/y)6c	NPD	mm

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

d [mm]	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	-
R <sub>D</sub> [m <sup>2</sup> K/W]	2,85	3,10	3,40	3,70	4,00	4,25	4,55	4,85	5,10	5,40	5,70	6,00	6,25	6,55	6,85	7,10	-

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 Goluch</u> Signature
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