

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/15/30

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALAMELA MW-EN13162-T5-DS(70,90)-CS(10/Y)50-TR80-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	RfF	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	30-350	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	0,040	W/(mK)
	Thickness	d	30-350	mm
Water permeability	Short time water absorption	WS	<1	kg/m ²
		WL(P)	<3	kg/m ²
Water vapour permeability	Water vapour transmission	MU	MU1	-
Compressive strength	Compressive stress or compressive strength	CS(10/Y)	50	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 ² K/W
		Declared λ	0,040	W/(mK)
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)	<1	%
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	80	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC(1/12/y)6c	NPD	mm

THERMAL RESISTANCE R_D

d [mm]	30	50	60	80	100	120	140	160	180	200	220	240	250	260	280	320	350
R _D [m ² K/W]	0,75	1,25	1,50	2,00	2,50	3,00	3,50	4,00	4,50	5,00	5,50	6,00	6,25	6,50	7,00	8,00	8,75

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 Gotuch</u> Signature
---------------------	-------------------------	---