

DECLARATION OF PERFORMANCE

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PTRL-DoP/MW/18/107

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAFAS 34 MW-EN13162-T5-DS(70,90)-CS(10)20-TR7,5-WS-WL(P)-MU1-AW0,90-AFr15

INTENDED USE OR USES

Factory made mineral wool (MW) products for thermal insulation of buildings.

PRODUCER

Head Office

Name: PETRALANA S.A.
Adresss: 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	RtF	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)	0,90	-
Impact noise transmission index (for floors)	Dynamic stiffness	s' SD	NPD	MN/m²
	Thickness, dL	d _L	50-250	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	15	kPa·s/m²
Direct airborne sound insulation index	Air flow resistivity	AFr	15	kPa·s/m²
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m²K/W
		λ	0,034	W/(mK)
	Thickness	d _N	50-250	mm
		Class for thickness tolerances	T5	mm
Water permeability	Short time water absorption	WS	<1	kg/m²
	Long time water absorption	WL(P)	<3	kg/m²
Water vapour permeability	Water vapour transmission	MU	MU1	-
Compressive strength	Compressive stress or compressive strength	CS(10)	20	kPa
	Point load	PL(5)	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	m²K/W
		Declared λ	0,034	W/(mK)
	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	7,5	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC((1/12/y)δc	NPD	mm

THERMAL RESISTANCE R _D																	
d _N [mm]	50	60	80	100	120	140	150	160	170	180	190	200	210	220	230	240	250
R _D [m²kW]	1,45	1,75	2,35	2,90	3,50	4,10	4,40	4,70	5,00	5,25	5,55	5,85	6,15	6,45	6,75	7,05	7,35

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: <i>Bytom</i>	Date: <i>08.05.2025</i>
KIEROWNIK DZIAŁU KONTROLI JAKOŚCI <i>mgr inż. Dawid Goluch</i>	