PETRALANA from nature

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/15/01

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

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

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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	αPI (APi) i αWI (AWi)	NPD	-
Impact noise transmission index (for floors)	Dynamic stiffness	s' SD	NPD	MN/m³
	Thickness, dL	dL	40-99	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	5	kPa·s/m²
Direct airborne sound insulation index	Air flow resistivity	AFr	5	kPa·s/m²
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m²K/W
		λ	0,035	W/(mK)
	Thickness	d	40-99	mm
		Class for thickness tolerances	T2	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)	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	m²K/W
		Declared λ	0,035	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	NPD	kPa
Durability of compressive strength against ageing/ degradation	Compressive creep	CC(i1/i2/y)δc	NPD	mm

THERMAL RESISTANCE R_D

d [mm]	40	50	60	70	80	90	99	-	-	-	-	-	-	-	-	-	-
R_D [m²KW]	1,10	1,40	1,70	2,00	2,25	2,55	2,80	-	-	-	-	-	-	-	-	-	-

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 r esponsibility of the manufactur er identified above.

QUALITY DEPARTMENT AND CERTIFICATION MANAGER

Place: Bytom Date: 29/04/2024

KIEROWNIK
DZIAŁU KONTROLI JAKOŚCI
mgr inż. Dawid Gołuch
Signature