PETRALANA
from nature

DECLARATION OF PERFORMANCE
PETRAROOF d = 30-150 mm

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/15/05

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAROOF MW-EN13162-T5-DS(70,90)-CS(10)50-PL(5)550-WS-WL(P)-MU1

INTENDED USE OR USES

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

PRODUCER

Head Office		Factory	
Name:	PETRALANA S.A.	Name:	PETRALANA S.A.
Adress:	Str. Mazowiecka 11 40-732 Katowice, Poland	Adress:	Str. Konstytucji 74 41-905 Bytom, Poland
Phone:	+48 32 209 01 27	Phone:	+48 32 770 05 00

SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

System 1 and System 3

HARMONIZED STANDARD

EN 13162:2012+A1:2015 „Thermal insulation products for buildings – Factory made mineral wool (MW) products - Specification"

NOTIFIED CERTIFICATION BODY OR BODIES

Sieć Badawcza Łukasiewicz – Warszawski Instytut Technologiczny nr 1454

PETRALANA® from nature

DECLARATION OF PERFORMANCE

DECLARED CHARACTERISTICS

ESSENTIAL CHARACTERISTICS	REQUIREMENT CLAUSES IN THIS EUROPEAN STANDARD	SYMBOL	DECLARED LEVEL AND/OR CLASSES	UNIT
Reaction to fire Euroclass characteristics	Reaction to fire	RtF	A1	Euroclass
Release of dangerous substances to the indoor	Release of dangerous substances	-	NPD	-
Acoustic absorption index	Sound absorption	αPI (APi) i αWI (AWi)	NPD	-
Impact noise transmission index	Dynamic stiffness	s' SD	NPD	MN/m³
	Thickness, dL	dL	30-150	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	NPD	kPa.s/m²
Direct airborne sound insulation index	Air flow resistivity	AFr	NPD	kPa.s/m²
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m²K/W
		λ	0,037	W/mK
	Thickness	Class for thickness tolerances	T5	mm or %
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/Y)	50	kPa
	Point load	PL	550	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	Declared λ	0,037	W/mK)
	Dimensional stability under specified temperature	DS	<1	%
	Dimensional stability under specified temperature and humidity conditions		<1	%
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]	30	40	50	60	70	80	90	100	110	120	130	140	150				
R_D [m²KW]	0,80	1,05	1,35	1,60	1,85	2,15	2,40	2,70	2,95	3,20	3,50	3,75	4,05				

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

KIEROWNIK
DZIAŁU KONTROLI JAKOŚCI
mgr inż. Dawid Gołuch

Place: Bytom Date: 13/4/2023

Signature