

**DECLARATION OF PERFORMANCE**  
**PETRAROOF d = 151-190 mm**

**DECLARATION OF PERFORMANCE NO.**

PTRL-DoP/MW/15/20

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRAROOF MW-EN13162-T5-CS(10)50-PL(5)600-WS-MU1-AW0,95

**INTENDED USE OR USES**

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

**PRODUCER**

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

Instytut Mechanizacji Budownictwa i Górnictwa Skalnego 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 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	$\alpha_{PI}$ (API) i $\alpha_{WI}$ (AWi)	0,95	-
Impact noise transmission index	Dynamic stiffness	s' SD	NPD	MN/m <sup>2</sup>
	Thickness, dL	dL	151-190	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	NPD	kPa.s/m <sup>2</sup>
Direct airborne sound insulation index	Air flow resistivity	AFr	NPD	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
		$\lambda$	0,037	W/(mK)
	Thickness	Class for thickness tolerances	T5	mm
Water permeability	Short time water absorption	WS	<1	kg/m <sup>2</sup>
	Long time water absorption	WL(P)	NPD	kg/m <sup>2</sup>
Water vapour permeability	Water vapour transmission	MU	MU1	-
Compressive strength	Compressive stress or compressive strength	CS(10/Y)	50	kPa
	Point load	PL	600	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 $\lambda$	0,037	W/(mK)
	Dimensional stability under specified temperature	DS	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(1/12/y)δc	NPD	mm

### THERMAL RESISTANCE $R_D$

d [mm]	160	170	180	190	-	-	-	-	-	-	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	4,30	4,55	4,85	5,10	-	-	-	-	-	-	-	-	-	-	-	-	-

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

KIEROWNIK  
DZIAŁU KONTROLI JAKOŚCI

Place: Bytom

Date: 01.06.2022

Dawid Gołuch

Signature