

**DECLARATION OF PERFORMANCE  
 PETRATOP d = 100-250 mm**

**DECLARATION OF PERFORMANCE NO.**

PTRL-DoP/MW/23/130

**UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE**

PETRATOP MW-EN13162-T5-DS(70,90)-CS(10)10-TR1-WS-WL(P)-MU1-AW0,95

**INTENDED USE OR USES**

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

<b>PRODUCER</b>	
Head Office	Factory
Name: <b>PETRALANA S.A.</b> Adress: Str. Mazowiecka 11 40-732 Katowice, Poland Phone: +48 32 209 01 27	Name: <b>PETRALANA S.A.</b> Adress: 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

**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 Euroclass characteristics	Reaction to fire	Rf	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	100-250	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
		$\lambda$	0,034	W/mK
Water permeability	Short time water absorption	WS	<1	kg/m <sup>2</sup>
		WL(P)	<3	kg/m <sup>2</sup>
Water vapour permeability	Water vapour transmission	MU	MU1	-
Compressive strength	Compressive stress or compressive strength	CS(10/Y)	10	kPa
		Point load	PL	NPD
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 $\lambda$	0,034	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	1	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC(i1/i2/y)6c	NPD	mm

### THERMAL RESISTANCE $R_D$

d [mm]	100	120	140	160	180	200	220	240	250	-	-	-	-				
$R_D$ [m <sup>2</sup> K/W]	2,90	3,50	4,10	4,70	5,25	5,85	6,45	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

KIEROWNIK  
DZIAŁU KONTROLI JAKOŚCI

mgr inż. Dawid Gołuch

Signature

Place:

Bytom

Date:

07.09.2013