

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

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/22/122

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRATOP-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-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.	Name:	PETRALANA S.A.
Address:	Str. Mazowiecka 11 40-732 Katowice, Poland	Address:	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

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	α_{PI} (API) i α_{WI} (AWI)	0,95	-	
Impact noise transmission index	Dynamic stiffness	s' SD	NPD	MN/m ³	
	Thickness, dL	dL	100-250	mm	
	Compressibility, c	CP	NPD	mm	
	Air flow resistivity	AFr	NPD	kPa.s/m ²	
Direct airborne sound insulation index	Air flow resistivity	AFr	NPD	kPa.s/m ²	
Continuous glowing combustion	Continuous glowing combustion	-	NPD	-	
Thermal resistance	Thermal resistance and thermal conductivity	R	Table-Thermal Resistance	m ² K/W	
		λ	0,034	W/mK	
Water permeability	Short time water absorption	WS	<1	kg/m ²	
		WL(P)	<3	kg/m ²	
Water vapour permeability	Water vapour transmission	MU	MU1	-	
Compressive strength	Compressive stress or compressive strength	CS(10/Y)	10	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	Declared λ	0,034	W/mK	
		Dimensional stability under specified temperature and humidity conditions	DS	<1	%
				<1	%
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	5	kPa	
Durability of compressive strength against ageing/degradation	Compressive creep	CC(i1/i2/y)5c	NPD	mm	

THERMAL RESISTANCE R_D

d [mm]	100	120	140	160	180	200	220	240	250	-	-	-	-				
R_D [m ² 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

Place: <u>Bytom</u>	Date: <u>07.09.2023</u>	KIEROWNIK DZIAŁU KONTROLI JAKOŚCI <u>mgr inż. Dawid Gołuch</u> Signature
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