

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/15/14

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALIGHT-H MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AFr10

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

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)	NPD	-
Impact noise transmission index	Dynamic stiffness	s' SD	NPD	MN/m ²
	Thickness, dL	dL	40-250	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	10	kPa.s/m ²
Direct airborne sound insulation index	Air flow resistivity	AFr	10	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	0,035	W/(mK)
	Thickness	Class for thickness tolerances	T5	mm or %
Water permeability	Short time water absorption	WS	<1	kg/m ²
	Long time water absorption	WL(P)	<3	kg/m ²
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	Declared λ	0,035	W/(mK)
	Dimensional stability under specified temperature	DS(70,90)	<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(11/12/y)6c	NPD	mm

THERMAL RESISTANCE R_D

d [mm]	40	50	60	70	80	90	100	110	120	140	150	160	180	190	200	220	250
R _D [m ² K/W]	1,10	1,40	1,70	2,10	2,25	2,55	2,85	3,10	3,40	4,00	4,25	4,55	5,10	5,40	5,70	6,25	7,10

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

Place: <u>Bytom</u>	Date: <u>25/12/2024</u>	KIEROWNIK DZIAŁU KONTROLI JAKOŚCI <u>mgr inż. Dawid Gołuch</u> Signature
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