

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE NO.

PTRL-DoP/MW/15/87

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALIGHT-PLUS MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AFr5

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	RtF	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	40-99	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AFr	5	kPa.s/m ²
Direct airborne sound insulation index	Air flow resistivity	AFr	5	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	T2	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)	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(i1/i2/y) δ_c	NPD	mm

THERMAL RESISTANCE R_D

d [mm]	40	50	60	70	80	90	99	-	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,10	1,40	1,70	2,10	2,25	2,55	2,80	-	-	-	-	-	-	-	-	-

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>25/01/2024</u>	KIEROWNIK DZIAŁU KONTROLI JAKOŚCI  mgr inż. Dawid Gołuch Signature
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