

DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

No. PTRL-DoP/MW/15/42
PETRALIGHT d=100-250mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRALIGHT MW-EN13162-T2- CS(10)0,5-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. Adress: Str. Mazowiecka 11 40-732 Katowice, Poland Phone: +48 32 209 01 27	Name: PETRALANA S.A. 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 „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

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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)	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	0,035	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/Y)	0,5	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 λ	0,035	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]	100	120	140	150	160	180	200	220	250	-	-	-	-	-	-	-	-
R _D [m ² KW]	2,85	3,40	4,00	4,25	4,55	5,10	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

Date: 24.03.2017

mgr inż. Wioletta Szygula

Szygula
Kierownik
Działu Jakości i Certyfikacji

Signature