

## DECLARATION OF PERFORMANCES

### DECLARATION OF PERFORMANCE NO.

No. PTRL-DoP/MW/15/34

PETRAFAS-M d=20-49mm

### UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1

### INTENDED USE OR USES

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

### PRODUCER

Head Office	Factory
Name: PETRALANA S.A. Address: Str. Mazowiecka 11 40-732 Katowice, Poland Phone: +48 32 209 01 27	Name: PETRALANA S.A. Address: 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

## DECLARATION OF PERFORMANCES

### 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	$\alpha_{PI}$ (API) i $\alpha_{WI}$ (AWI)	NPD	-
Impact noise transmission index	Dynamic stiffness	s' SD	NPD	MN/m <sup>3</sup>
	Thickness, dL	dL	20-49	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
		$\lambda$	0,035	W/mK
	Thickness	Class for thickness tolerances	T5	mm or %
Water permeability	Short time water absorption	WS	<1	kg/m <sup>2</sup>
	Long time water absorption	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)	30	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 $\lambda$	0,035	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	10	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC(1/12/y)5c	NPD	mm

### THERMAL RESISTANCE R<sub>D</sub>

d [mm]	20	25	30	35	40	45	49	-	-	-	-	-	-	-	-	-	-
R <sub>D</sub> [m <sup>2</sup> K/W]	0,55	0,70	0,85	1,00	1,10	1,25	1,40	-	-	-	-	-	-	-	-	-	-

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

mgr inż. Wioletta Szygula

Szygula  
Kierownik

Działu Jakości i Certyfikacji

Date: 2/01/2017

Signature