

## DECLARATION OF PERFORMANCES

### DECLARATION OF PERFORMANCE NO.

Nr PTRL-DoP/MW/15/114  
PETRAFAS-A d = 100-220 mm

### UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE

PETRAFAS-A MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1-SS20

### 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.
Adress:	Str Mazowiecka 11	Adress:	Str Konstytucji 74
	40-732 Katowice, Poland		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 "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	RfF	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>2</sup>
	Thickness, d <sub>L</sub>	d <sub>L</sub>	100-220	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	Tabela - Opór cieplny	m <sup>2</sup> K/W
		λ	0,035	W/mK
Water permeability	Short time water absorption	WS	<1	kg/m <sup>2</sup>
		Long time water absorption	WL(P)	<3
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	Deklarod λ	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(i/12/y)δc	NPD	mm
Shear strength	Shear strength	SS	20	kPa

THERMAL RESISTANCE R <sub>D</sub>																
d [mm]	100	120	140	150	160	180	200	220	-	-	-	-	-	-	-	-
R <sub>D</sub> [m <sup>2</sup> K/W]	2,85	3,40	4,00	4,25	4,55	5,10	5,70	6,25	-	-	-	-	-	-	-	-

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.

**DIRECTOR OF QUALITY MANAGEMENT**

Date: 25.05.2020

DYREKTOR  
ZARZĄDZAJĄCY JAKOŚCIĄ

mgr inż. Wioletta Jasek