

DECLARATION OF PERFORMANCES

No. PTRL-DoP/MW/15/07

PETRAROOF-B d= 30-150 mm

1. Unique identification code of the product type
PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)30-TR10- PL(5)250-WS-WL(P)-MU1-AFr5
2. Intended use or uses
Factory made mineral wool (MW) products for thermal insulation of buildings.
3. Producer
PETRALANA S.A.
ul. Mazowiecka 11, 40-732 Katowice
tel. 32 2090127
Factory
ul Konstytucji 74, 41-905 Bytom
tel. 32 7700500
www.petalana.eu
4. System or systems of assessment and verification of constancy of performance of the construction product
System 1/ System 3
5. Harmonized standard
PN-EN 13162:2013-05 „Thermal insulation products for buildings – Factory made mineral wool (MW) products - Specification”
6. Notified Certification body or bodies
Instytut Mechanizacji Budownictwa i Górnictwa Skalnego nr 1454
7. Declared characteristics Table 1

Table 1

Requirements/characteristics from the mandate	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 environment	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 ³
	thickness, d_L	d_L	30-150	mm
	Compressibility, c	CP	NPD	mm
	Air flow resistivity	AF _R	5	kPa.s/m ²

Direct airborne sound insulation index	Air flow resistivity	AF _r	5	kPa.s/m ²
Continuous glowing combustion	Continuous glowing combustion		NPD	
Thermal resistance	Thermal resistance and thermal conductivity	R	Table 2	m ² K/W
		λ	0,036	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/Y)	30	kPa
	Point load	PL	250	
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	0,036	W/mK
	Dimensional stability under specified temperature	DS	<1	mm
	Dimensional stability under specified temperature and humidity conditions		<1	mm
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	10	kPa
Durability of compressive strength against ageing/degradation	Compressive creep	CC(i ₁ /i ₂ /y)δ _c	NPD	mm

NPD – No Performance Determined

Table 2

Declared Thermal Resistance R _D														
d[mm]	30	40	50	60	70	80	90	100	110	120	150			
R _D [m ² KW]	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	3,05	3,30	4,15			

8. The performance of the product identified above is in conformity with the declared performance in point 9. This declaration of performance is issued with respect to Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

On behalf of Producer signed by

Bytom, 30.11.2015

President of the Board

Tomasz Wesołowski

