

## TECHNICAL DATA SHEET

# PETRAROOF-B



Stone wool panels for thermal, acoustic and fire insulation – base layer for the double layer system

### OFFICIAL DOCUMENTATION:

Declaration of Performances:

No. PTRL-DoP/MW/15/25

No. PTRL-DoP/MW/15/07

No. PTRL-DoP/MW/15/29



1454-CPR-1021

### APPLICATION:

insulation of non-ventilated roofs and flat roofs by stone wool in a single or double layer.

### FACTORY:

PETRALANA S.A.  
Konstytucji 74 Street  
41-905 Bytom  
Poland  
+48 32 770 05 00  
office@petralana.eu

## PRODUCT CODE

PETRAROOF-B MW-EN13162-T5-CS(10)30-PL(5)250-WS-MU1 (d=20mm-29mm)  
 PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)30-PL(5)250-WS-WL(P)-MU1 (d=30mm-200mm)  
 PETRAROOF-B MW-EN13162-T5-DS(70,90)-CS(10)20-PL(5)200-WS-WL(P)-MU1 (d=201mm-250mm)

## DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$

$\leq 0,036$  [W/mK]

## DECLARED PARAMETERS

DECLARED PROPERTIES OF THE PRODUCT ACC. TO EN 13162:2012+A1:2015	SYMBOL	CLASS OR TOLERANCE	UNITS
Class for thickness tolerances	T	T5	-1 mm / +3 mm [mm]
			-1 % / +3 mm [%/mm]
Dimensional stability under 70 °C and 90% humidity	DS(70,90)	$\leq 1,0$ (d=30-250 mm)	[%]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)30 (d=20-200 mm) CS(10)20 (d=201-250 mm)	[kPa]
Tensile strength perpendicular to faces	TR	NPD	[kPa]
Point load at 5mm deformation	PL(5)	$\geq 250,0$ (d=20-200 mm)	[N]
		$\geq 200,0$ (d=201-250 mm)	
Short time water absorption	WS	$\leq 1,0$	[kg/m <sup>2</sup> ]
Long time water absorption	WL(P)	$\leq 3,0$ (d=30-250 mm)	[kg/m <sup>2</sup> ]
Water vapour transmission	MU	MU1	[-]
Air flow resistivity	AFr	NPD	[kPa s/m <sup>2</sup> ]
Reaction to fire	RtF	A1	Euroclass

## DECLARED THERMAL RESISTANCE $R_D$

d [mm]	50	60	100	110	120	150	160	200	210	-	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	1,35	1,65	2,75	3,05	3,30	4,15	4,40	5,55	5,80	-	-	-	-	-	-	-	-

## DIMENSIONS AND PACKING

FORMAT OF PLATES			PALLETS		
Length	Width	Thickness	No. of plates on a pallet	Cover surface of plates on a pallet	Volume of plates on a pallet
[mm]	[mm]	[mm]	[pcs.]	[m <sup>2</sup> ]	[m <sup>3</sup> ]
2000	1200	50	24	57,60	2,880
		60	20	48,00	2,880
		100	12	28,80	2,880
		110	11	26,40	2,904
		120	10	24,00	2,880
		150	8	19,20	2,880
		160	7	16,80	2,688
		200	6	14,40	2,880
		210	5	12,00	2,520
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-