

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.

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-AW0,95 (d=201mm-250mm)
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_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
			-1 % / +3 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)	30 (d=20-200 mm)	[kPa]
		20 (d=201-250 mm)	
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 ²]
Long time water absorption	WL(P)	$\leq 3,0$ (d=30-250 mm)	[kg/m ²]
Water vapour transmission	MU	MU1	[-]
Sound absorption index	AW	0,95 (d=201-250mm)	[-]
Reaction to fire	RfF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D													
d [mm]	50	60	100	110	120	150	160	200	210	-	-	-	-
R_D [m ² 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 ²]	[m ³]
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
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-