

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:

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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 [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 ²]
Long time water absorption	WL(P)	$\leq 3,0$ (d=30-250 mm)	[kg/m ²]
Water vapour transmission	MU	MU1	[-]
Acoustic absorption index	AW	0,95 (d=201-250 mm)	[-]
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 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	2,668
		200	6	14,40	2,880
		210	5	12,00	2,520
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-