

PETRALANA[®]

from nature

TECHNICAL DATA SHEET

APPLICATION:

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

PETRAROOF-B



Slabs of stone wool for thermal, acoustic and fire insulation as an underlay in PETRAROOF SYSTEM

OFFICIAL DOCUMENTATION:

Declaration of Performances
PTRL-DoP/MW/15/07
PETRAROOF-B d=30-150 mm

No.

PETRALANA EU



FACTORY:

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PRODUCT CODE
PETRAROOF-B MW-EN13162-T5-CS(10)30-TR10-PL(5)250-WS-MU1-AFr5
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D
$\leq 0,036$ [W/mK]

DEKLAROWANE PARAMETRY			
DECLARES PROPERTIES OF THE PRODUCT ACC. TO PN-EN 13162:2013-05	Symbol	Class or tolerance	Units
Class for thickness tolerances	T	T5	-1 mm / +3 mm [mm]
			-1 % / +3 mm [%/mm]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)30	[kPa]
Tensile strength perpendicular to faces	TR	$\geq 10,0$	[kPa]
Point load at 5mm deformation	PL(5)	$\geq 250,0$	[N]
Short time water absorption	WS	$\leq 1,0$	[kg/m ²]
Water vapour transmission	MU	MU1	[-]
Opór przepływu powietrza	AFr	$\geq 5,0$	[kPa s/m ²]
Reaction to fire	RtF	A1	A - F

DECLARED THERMAL RESISTANCE R_D											
Thickness [mm]	30	40	50	60	70	80	90	100	110	120	150
Declared thermal resistance R_D [m ² K/w]	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	3,05	3,30	4,15

DIMENSIONS AND PACKING					
FORMAT OF PLATES			PALLETS		
Length	Width	Thickness	No. of plates on a pallet	Cover surface of plates pallet on a	Volume of plates on a pallet
[mm]	[mm]	[mm]	[pcs.]	[m ²]	[m ³]
2000	1200	30	40	96,00	2,880
		40	30	72,00	2,880
		50	24	57,60	2,880
		60	20	48,00	2,880
		70	17	40,80	2,856
		80	15	36,00	2,880
		90	13	31,20	2,808
		100	12	28,80	2,880
		110	10	24,00	2,640
		120	10	24,00	2,880
		150	8	19,20	2,880