

PETRALANA[®]
from nature

TECHNICAL DATA SHEET

PETRAROOF-T



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

OFFICIAL DOCUMENTATION:

Declarations of Performances :

No. PTRL-DoP/MW/15/28

No. PTRL-DoP/MW/15/18

APPLICATION:

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



1454-CPR-1021

FACTORY:

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PRODUCT CODE				
PETRAROOF-T MW-EN13162-T4-CS(10)80-PL(5)850-WS-MU1-AFr5 (d=20-29 mm) PETRAROOF-T MW-EN13162-T4-DS(70,90)-CS(10)80-PL(5)900-WS-WL(P)-MU1-AFr5 (d=30-55 mm)				
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D				
$\leq 0,039$ [W/mK]				
DECLARED PARAMETERS				
DECLARES PROPERTIES OF THE PRODUCT ACC. TO PN-EN 13162:2013-05	Symbol	Class or tolerance	Units	
Class for thickness tolerances	T	T4	-3 mm / +5 %	[mm/%]
			-3 % / +5 mm	[%/mm]
Dimensional stability under 70°C and 90% humidity	DS(70,90)	$\leq 1,0$ (d=30-55 mm)	[%]	
Compressive stress at 10% deformation	CS(10/Y)	CS(10)80	[kPa]	
Point load at 5mm deformation	PL(5)	$\geq 850,0$ (d=20-29 mm) $\geq 900,0$ (d=30-55 mm)	[N]	
Short time water absorption	WS	$\leq 1,0$	[kg/m ²]	
Long time water absorption	WL(P)	$\leq 3,0$ (d=30-55 mm)	[kg/m ²]	
Water vapour transmission	MU	MU1	[-]	
Air flow resistivity	AFr	$\geq 5,0$	[kPa s/m ²]	
Reaction to fire	RtF	A1	A - F	

DECLARED THERMAL RESISTANCE R_D				
Thickness [mm]	20	30	40	50
Declared thermal resistance R_D [m ² K/w]	0,50	0,75	1,00	1,25

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	20	50	120,00	2,400
		30	40	96,00	2,880
		40	30	72,00	2,880
		50	24	57,60	2,880