

TECHNICAL DATA SHEET

PETRAROOF-T



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



FACTORY:

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

PRODUCT CODE

PETRAROOF-T MW-EN13162-T5-CS(10)80-PL(5)800-WS-MU1 (d=20-29 mm)

PETRAROOF-T MW-EN13162-T4-DS(70,90)-CS(10)80-PL(5)800-WS-WL(P)-MU1 (d=30-55 mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

$\leq 0,039$ [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 (d=20-29mm)	-1 mm / +3 mm [mm]
			-1 % / +3 mm [%/mm]
Dimensional stability under 70 °C and 90% humidity	DS(70,90)	$\leq 1,0$ (d=30-55 mm)	[%]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)80	[kPa]
Tensile strength perpendicular to faces	TR	NPD	[kPa]
Point load at 5mm deformation	PL(5)	≥ 800	[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	NPD	[kPa s/m ²]
Reaction to fire	RtF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	20	30	40	50	-	-	-	-	-	-	-	-	-	-	-	-
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	56	134,40	2,688
		30	40	96,00	2,880
		40	30	72,00	2,880
		50	24	57,60	2,880
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-