

## TECHNICAL DATA SHEET

# PETRAROOF-T PLUS



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/23/143  
No. PTRL-DoP/MW/23/144

### APPLICATION:

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



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PRODUCT CODE
PETRAROOF-T PLUS MW-EN13162-T5-CS(10)80-TR10-PL(5)800-WS-MU1 (d=20-29 mm)
PETRAROOF-T PLUS MW-EN13162-T4-DS(70,90)-CS(10)80-TR10-PL(5)800-WS-WL(P)-MU1 (d=30-55 mm)
DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$
$\leq 0,039$ [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) T4 (d=30-55mm)	-1mm / +3mm (d=20-29mm) -3mm / +5mm (d=30-55mm)
			-1% / +3mm (d=20-29mm) -3% / +5mm (d=30-55mm)
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)	80	[kPa]
Tensile strength perpendicular to faces	TR	10	[kPa]
Point load at 5mm deformation	PL(5)	$\geq 800$	[N]
Short time water absorption	WS	$\leq 1,0$	[kg/m <sup>2</sup> ]
Long time water absorption	WL(P)	$\leq 3,0$ (d=30-55 mm)	[kg/m <sup>2</sup> ]
Water vapour transmission	MU	MU1	[-]
Air flow resistivity	AFr	NPD	[kPa s/m <sup>2</sup> ]
Reaction to fire	RTF	A1	Euroclass

DECLARED THERMAL RESISTANCE $R_D$															
d [mm]	20	30	40	50	-	-	-	-	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> 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 <sup>2</sup> ]	[m <sup>3</sup> ]
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
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-