

TECHNICAL DATA SHEET

PETRAROOF-R PLUS



Slabs of stone wool for thermal,
acoustic and fire insulation

OFFICIAL DOCUMENTATION:

Declaration of Performances:
No. PTRL-DoP/MW/23/142

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-R PLUS MW-EN13162-T5-DS(70,90)-CS(10)70-TR10-PL(5)650-WS-WL(P)-MU1

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	-1 mm / +3 mm [mm]
			-1 % / +3 mm [%/mm]
Dimensional stability under 70 °C and 90% humidity	DS(70,90)	$\leq 1,0$	[%]
Compressive stress at 10% deformation	CS(10/Y)	70	[kPa]
Tensile strength perpendicular to faces	TR	10	[kPa]
Point load at 5mm deformation	PL(5)	≥ 650	[N]
Short time water absorption	WS	$\leq 1,0$	[kg/m ²]
Long time water absorption	WL(P)	$\leq 3,0$	[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]	30	40	50	100	150	-	-	-	-	-	-	-	-	-	-	-
R_D [m ² K/W]	0,75	1,00	1,25	2,55	3,80	-	-	-	-	-	-	-	-	-	-	-

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	30	40	96,00	2,880
		40	30	72,00	2,880
		50	24	57,60	2,880
		100	12	28,80	2,880
		150	8	19,20	2,880
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-
		-	-	-	-