

TECHNICAL DATA SHEET

PETRALIGHT-PLUS



Slabs of stone wool for thermal, acoustic and fire insulation of buildings

OFFICIAL DOCUMENTATION:

Declaration of Performances
No. PTRL-DoP/MW/15/87
No. PTRL-DoP/MW/15/88



1454-CPR-1021

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APPLICATION:

usable lofts
unusable lofts
ventilated flat roofs
suspended ceilings
partition walls
curtain walls with frame structures
floors between joists
frame structures including elevations
(cassettes, cavity walls, curtain walls, panels, sidings)
timber frame structures

PRODUCT CODE

PETRALIGHT-PLUS MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AFr5 (d=40-99mm)
 PETRALIGHT-PLUS MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AW0,95-AFr5 (d=100-250mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

$\leq 0,035$ [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	T2	-5 mm / +15 %	[mm/%]
			-5 % / +15 mm	[%/mm]
Sound Absorption Index	AW	0,95 (d=100-250mm)		[-]
Compressive stress at 10% deformation	CS(10/Y)	0,5		[kPa]
Tensile strength perpendicular to faces	TR	NPD		[kPa]
Point load at 5mm deformation	PL(5)	NPD		[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	5		[kPa s/m ²]
Reaction to fire	RtF	A1		Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	50	75	100	120	150	180	200	-	-	-	-	-	-	-	-	-	-
R _D [m ² K/W]	1,40	2,10	2,85	3,40	4,25	5,10	5,70	-	-	-	-	-	-	-	-	-	-

DIMENSIONS AND PACKING

FORMAT OF PLATES			PACKAGES			PALLETS		
Length	Width	Thickness	No. of plates in a package	Cover surface of a package	Volume of a package	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]	[pcs.]	[m ²]	[m ³]
1000	600	50	10	6,00	0,300	20	120,00	6,000
		75	8	4,80	0,360	16	76,80	5,760
		100	5	3,00	0,300	20	60,00	6,000
		120	4	2,40	0,288	20	48,00	5,760
		150	4	2,40	0,360	16	38,40	5,760
		180	3	1,80	0,324	16	28,80	5,184
		200	3	1,80	0,360	16	28,80	5,760
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-