

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]
1200	600	50	12	8,6	0,432	16	138,2	6,912
		75	8	5,7	0,432	16	92,2	6,912
		100	6	4,3	0,432	16	69,1	6,912
		120	5	3,6	0,432	16	57,6	6,912
		150	4	2,9	0,432	16	46,1	6,912
		180	3	2,2	0,324	16	34,6	6,221
		200	3	2,2	0,432	16	34,6	6,912
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-