

TECHNICAL DATA SHEET



PETRALIGHT

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

OFFICIAL DOCUMENTATION:

Declaration of Performances
No. PTRL-DoP/MW/15/01
No. PTRL-DoP/MW/15/42



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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 MW-EN13162-T2-CS(10)0,5-WS-WL(P)-MU1-AFr5 (d=40-99mm) PETRALIGHT 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 %
			-5 % / +15 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	15	10,80	0,540	20	216,00	10,800	
		75	10	7,20	0,540	20	144,00	10,800	
		100	8	5,76	0,576	20	115,20	11,520	
		120	6	4,32	0,5184	20	86,40	10,368	
		150	5	3,60	0,540	20	72,00	10,800	
		180	4	2,88	0,5184	20	57,60	10,368	
		200	4	2,88	0,576	20	57,60	11,520	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-