

## 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



### FACTORY:

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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 (d=40-99mm)

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

## DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$

$\leq 0,035$  [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	[mm/%]
			[-5 mm / +15 %]
			[-5 % / +15 mm]
Sound Absorption Index	AW	0,95 (d=100-250mm)	[-]
Compressive stress at 10% deformation	CS(10/Y)	CS(10)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 <sup>2</sup> ]
Long time water absorption	WL(P)	$\leq 3,0$	[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]	50	75	100	120	150	180	200	-	-	-	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> 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 <sup>2</sup> ]	[m <sup>3</sup> ]	[pcs.]	[m <sup>2</sup> ]	[m <sup>3</sup> ]	
1000	600	50	15	9,00	0,450	24	216,00	10,800	
		75	10	6,00	0,450	24	144,00	10,800	
		100	8	4,80	0,480	24	115,20	11,520	
		120	6	3,60	0,432	24	86,40	10,368	
		150	5	3,00	0,450	24	72,00	10,800	
		180	4	2,40	0,432	24	57,60	10,368	
		200	4	2,40	0,480	24	57,60	11,520	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-