

## TECHNICAL DATA SHEET



# PETRALIGHT-H

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

### OFFICIAL DOCUMENTATION:

Declaration of Performances  
No. PTRL-DoP/MW/15/14



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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-H MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AFr10
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	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)	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	10	[kPa s/m <sup>2</sup> ]
Reaction to fire	RTF	A1	Euroclass

DECLARED THERMAL RESISTANCE $R_D$														
d [mm]	40	50	75	100	120	150	200	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	1,10	1,40	2,10	2,85	3,40	4,25	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	40	10	6,00	0,240	24	144,00	5,760	
		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	
		200	3	1,80	0,360	16	28,80	5,760	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-