

## TECHNICAL DATA SHEET

# PETRALAMELA-F



Bevelled slabs of stone wool with lamella fibres for thermal, acoustic and fire insulation

### OFFICIAL DOCUMENTATION:

Declaration of Performance:  
No. PTRL-DoP/MW/15/37  
No. PTRL-DoP/MW/22/125

### APPLICATION:

floors above garages, passages and basements



PETRALANA S.A.  
Konstytucji 74 Street  
41-905 Bytom  
Poland  
+48 32 770 05 00  
office@petralana.eu

PRODUCT CODE
PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1 (d=30-99mm) PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1-AW0,95 (d=100-350mm)
DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$
$\leq 0,037$ [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)	20	[kPa]
Tensile strength perpendicular to faces	TR	$\geq 20,0$	[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
Sound absorption	AW	0,95 (d=100-350mm)	[-]

DECLARED THERMAL RESISTANCE $R_D$														
d [mm]	50	60	80	100	120	140	150	160	180	200	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	1,35	1,60	2,15	2,70	3,20	3,75	4,05	4,30	4,85	5,55	-	-	-	-

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> ]	
1200	200	50	-	-	-	240	57,60	2,880	
		60	-	-	-	200	48,00	2,880	
		80	-	-	-	150	36,00	2,880	
		100	-	-	-	120	28,80	2,880	
		120	-	-	-	100	24,00	2,880	
		140	-	-	-	80	19,20	2,688	
		150	-	-	-	80	19,20	2,880	
		160	-	-	-	70	16,80	2,688	
		180	-	-	-	60	14,40	2,592	
		200	-	-	-	60	14,40	2,880	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-