

TECHNICAL DATA SHEET

PETRALAMELA-F



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

OFFICIAL DOCUMENTATION:

Declaration of Performance:
Nr PTRL-DoP/MW/15/37
Nr PTRL-DoP/MW/22/125

APPLICATION:

floors above garages, passages and basements



FACTORY:

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PRODUCT CODE
PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1 (d=30-99 mm) PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1-AW0,95 (d=100-350)
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_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 ²]
Long time water absorption	WL(P)		$\leq 3,0$	[kg/m ²]
Water vapour transmission	MU		MU1	[-]
Acoustic absorption index	AW		0,95 (d=100-350 mm)	[-]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE R_D														
d [mm]	50	60	80	100	120	140	150	160	180	200	-	-	-	-
R_D [m ² 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 ²]	[m ³]	[pcs.]	[m ²]	[m ³]	
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	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-