

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

APPLICATION:

floors above garages, passages and basements



1454-CPR-1021

FACTORY:

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PRODUCT CODE

PETRALAMELA-F MW-EN13162-T5-DS(70,90)-CS(10)20-TR20-WS-WL(P)-MU1

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)	CS(10)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	[-]
Air flow resistivity	AFr	NPD	[kPa s/m ²]
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		
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-