

TECHNICAL DATA SHEET

PETRAVENT-L PLUS



Slabs of stone wool for external and internal building objects for thermal, acoustic and fire insulation

OFFICIAL DOCUMENTATION:

Declaration of Performances
No. PTRL-DoP/MW/24/150



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

APPLICATION:

external facades insulated by light-dry method
(eg sheet, cladding board, siding, lining cement
and composite)

external walls with elevation of stone or glass

skeletal external and internal walls (on a
wooden and metal structure)

partition walls

curtain walls

cavity walls

suspended ceilings

PRODUCT CODE
PETRAVENT-L PLUS MW-EN13162-T5-DS(70,90)-CS(10)0,5-TR1-WS-WL(P)-MU1-AFr10
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_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	1	[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	10	[kPa s/m ²]
Reaction to fire	RTF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D														
d [mm]	50	80	100	120	140	150	160	180	200	220	-	-	-	-
R_D [m ² K/W]	1,40	2,25	2,85	3,40	4,00	4,25	4,55	5,10	5,70	6,25	-	-	-	-

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]		
1000	600	50	10	6,00	0,300	20	120,00	6,000		
		80	6	3,60	0,288	20	72,00	5,760		
		100	5	3,00	0,300	20	60,00	6,000		
		120	5	3,00	0,360	16	48,00	5,760		
		140	4	2,40	0,336	16	38,40	5,376		
		150	4	2,40	0,360	16	38,40	5,760		
		160	3	1,80	0,288	20	36,00	5,760		
		180	3	1,80	0,324	16	28,80	5,184		
		200	3	1,80	0,360	16	28,80	5,760		
		220	2	1,20	0,264	20	24,00	5,280		
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-