

TECHNICAL DATA SHEET

PETRAVENT-LV



Slabs of stone wool with windproof black veil for external and internal building objects for thermal, acoustic and fire insulation

OFFICIAL DOCUMENTATION:

Declaration of Performances
No. PTRL-DoP/MW/15/31



FACTORY:

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 LV MW-EN13162-T5-CS(10)0,5-WS-MU1

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

$\leq 0,034$ [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)	NPD		%
Compressive stress at 10% deformation	CS(10/Y)	CS(10)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 ²]
Long time water absorption	WL(P)	NPD		[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]	100	120	140	150	160	180	200	220	250	-	-	-	-	-	-	-	-
R_D [m ² K/W]	2,90	3,50	4,10	4,40	4,70	5,25	5,85	6,45	7,35	-	-	-	-	-	-	-	-

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	100	5	3,00	0,300	20	60,00	6,000	
		120	5	3,00	0,380	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	
		250	2	1,20	0,300	20	24,00	6,00	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-