

## TECHNICAL DATA SHEET

# PETRAVENT-H



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/15/02  
No. PTRL-DoP/MW/22/124



### 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

external or internal prefab walls with wooden or steel structure

partition walls

curtain walls

cavity walls

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PRODUCT CODE
PETRAVENT-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1(d=30-99mm) PETRAVENT-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1-AW0,95(d=100-250mm)
DECLARED THERMAL CONDUCTIVITY COEFFICIENT $\lambda_D$
$\leq 0,035$ [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)	10	[kPa]
Tensile strength perpendicular to faces	TR	$\geq 7,5$	[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=100-250)	[-]

DECLARED THERMAL RESISTANCE $R_D$														
d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	1,40	2,25	2,85	3,40	4,25	5,70	-	-	-	-	-	-	-	-

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> ]	
1000	600	50	6	3,60	0,180	16	57,60	2,880	
		80	5	3,00	0,240	12	36,00	2,880	
		100	3	1,80	0,180	16	28,80	2,880	
		120	2	1,20	0,144	20	24,00	2,880	
		150	2	1,20	0,180	16	19,20	2,880	
		200	2	1,20	0,240	12	14,40	2,880	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-