Release : 15.07.2016

PETRALANA® from nature

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

CE 1454 16

WYRÓB BUDOWLANY
1454-CPR-1021

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

FACTORY:

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PRODUCT CODE

PETRAVENT-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR7,5-WS-WL(P)-MU1 (d=30-99 mm)
PETRAVENT-H MW-EN13162-T5-DS(70,90) CS(10)10-TR7,5-WS-WL(P)-MU1-AW0.95 (d=100-250 mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

≤ 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)	≤ 1,0		[%]
Compressive stress at 10% deformation	CS(10/Y)	10		[kPa]
Tensile strength perpendicular to faces	TR	≥ 7,5		[kPa]
Point load at 5mm deformation	PL(5)	NPD		[N]
Short time water absorption	WS	≤ 1,0		[kg/m2]
Long time water absorption	WL(P)	≤ 3,0		[kg/m2]
Water vapour transmission	MU	MU1		[-]
Acoustic absorption index	AW	0,95 (d=100-250 mm)		[-]
Reaction to fire	RtF	A1		Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	50	80	100	120	150	200	-	-	-	-	-	-	-	-	-	-	-
R_D [m^2K/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.]	[m²]	[m³]	[pcs.]	[m²]	[m³]
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
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-