Release : 22.12.2016

PETRALANA® from nature

TECHNICAL DATA SHEET

PETRAFAS-H

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

OFFICIAL DOCUMENTATION:

Declaration of Performance:
No. PTRL-DoP/MW/15/13
No. PTRL-DoP/MW/15/06

CE 1454 15

WYRÓB BUDOWLANY
1454-CPR-1021

APPLICATION:

external and partition walls insulated by ETICS system

external monolithic, prefabricated and brick walls

jambs insulation

fire insulation of attics (reaction to fire classification - A1)

acoustic and fire insulation of staircases (reaction to fire classification - A1)

FACTORY:

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PRODUCT CODE

PETRAFAS-H MW-EN13162-T5-DS(70,90)-CS(10)40-TR10-WS-WL(P)-MU1 (d=20mm-49mm)

PETRAFAS-H MW-EN13162-T5-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1 (d=50mm-150mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D

≤ 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)	≤ 1,0		[%]
Compressive stress at 10% deformation	CS(10/Y)	CS(10) 40		[kPa]
Tensile strength perpendicular to faces	TR	≥ 10,0 (d=20-49 mm) ≥ 15,0 (d=50-150 mm)		[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		[-]
Air flow resistivity	AFr	NPD		[kPa s/m²]
Reaction to fire	RtF	A1		Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	20	30	40	50	100	150	-	-	-	-	-	-	-	-	-	-	-
R_D [m²K/W]	0,50	0,80	1,05	1,35	2,70	4,05	-	-	-	-	-	-	-	-	-	-	-

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	**20**	14	8,40	0,168	16	134,00	2,688
		30	10	6,00	0,180	16	96,00	2,880
		40	6	3,60	0,144	20	72,00	2,880
		50	6	3,60	0,180	16	57,60	2,880
		100	3	1,80	0,180	16	28,80	2,880
		150	2	1,20	0,180	16	19,20	2,880
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-
		-	-	-	-	-	-	-