

## TECHNICAL DATA SHEET

# PETRAFAS PRO



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

### OFFICIAL DOCUMENTATION:

Declaration of Performance: Nr  
PTRL-DoP/MW/23/131



### APPLICATION:

external and partition walls insulated by ETICS system

external monolithic, prefabricated and brick walls

floors above garages, passages and basements

fire insulation of attics (reaction to fire classification A1)

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PRODUCT CODE
PETRAFAS PRO MW-EN 13162-T5-0S(70,90)-CS( 10)20-TR10-WS-WL(P)-MU1-AW0,95
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)		20	[kPa]
Tensile strength perpendicular to faces	TR		$\geq 10$	[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	[-]
Acoustic absorption index	AW		0,95	[-]
Reaction to fire	RtF		A1	Euroclass

DECLARED THERMAL RESISTANCE $R_D$																	
d [mm]	50	60	80	100	120	140	150	160	180	200	220	240	250	-	-	-	-
$R_D$ [m <sup>2</sup> K/W]	1,45	1,75	2,35	2,90	3,50	4,10	4,40	4,70	5,25	5,85	6,45	7,05	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 <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
		60	5	3,00	0,180	16	48,00	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
		140	2	1,20	0,168	16	19,20	2,688
		150	2	1,20	0,180	16	19,20	2,880
		160	2	1,20	0,192	12+16	33,60	5,376
		180	2	1,20	0,216	12	14,40	2,592
		200	2	1,20	0,240	12	14,40	2,880
		220	1	0,60	0,132	20	12,00	2,640
		240	1	0,60	0,144	20	12,00	2,880
		250	1	0,60	0,150	16	9,60	2,400
-	-	-	-	-	-	-	-	-