

TECHNICAL DATA SHEET

PETRAFAS-34S



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/24/153



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 34S MW-EN13162-T5-DS(70,90)-CS(10)20-TR7,5-WS-WL(P)-MU1-AFr15
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)	$\leq 1,0$	%
Compressive stress at 10% deformation	CS(10/Y)	20	[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 ²]
Long time water absorption	WL(P)	$\leq 3,0$	[kg/m ²]
Water vapour transmission	MU	MU1	[-]
Air flow resistivity	AFr	15	[kPa s/m ²]
Reaction to fire	RfF	A1	Euroclass
Sound absorption	AW	NPD	[-]

DECLARED THERMAL RESISTANCE R_D																	
d [mm]	50	60	80	100	120	140	150	160	180	200	220	240	250	-	-	-	-
R_D [m ² 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 ²]	[m ³]	[pcs.]	[m ²]	[m ³]
1000	600	50	6	3,60	0,1800	16	57,60	2,880
		60	5	3,00	0,1800	16	48,00	2,880
		80	3	1,80	0,2400	12	36,00	2,880
		100	3	1,80	0,1800	16	28,80	2,880
		120	2	1,20	0,1440	20	24,00	2,880
		140	2	1,20	0,1680	16	19,20	2,688
		150	2	1,20	0,1800	16	19,20	2,880
		160	2	1,20	0,1920	12+16	33,60	5,376
	180	2	1,20	0,2160	12	14,40	2,592	
	585	200	2	1,170	0,2340	12	14,04	2,808
		220	1	0,585	0,1287	20	11,70	2,574
		240	1	0,585	0,1404	20	11,70	2,808
		250	1	0,585	0,1463	16	9,60	2,340