

TECHNICAL DATA SHEET

PETRAFAS-M



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/15/34
No. PTRL-DoP/MW/15/10
No. PTRL-DoP/MW/15/26



APPLICATION:

- external and partition walls insulated by ETICS system
- external monolithic, prefabricated and brick walls
- jamb 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-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-WS-WL(P)-MU1 (d=20-49mm)
 PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)30-TR15-WS-WL(P)-MU1 (d=50-99 mm)
 PETRAFAS-M MW-EN13162-T5-DS(70,90)-CS(10)40-TR15-WS-WL(P)-MU1 (d=100-190 mm)

DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_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
			-1 % / +3 mm
Dimensional stability under 70 °C and 90% humidity	DS(70,90)	$\leq 1,0$	%
Compressive stress at 10% deformation	CS(10/Y)	CS(10)30 (d=20-49 mm) CS(10)30 (d=50-99 mm) CS(10)40 (d=100-190 mm)	[kPa]
Tensile strength perpendicular to faces	TR	10,0 (d=20-49 mm) $\geq 15,0$ (d=50-99 mm) $\geq 15,0$ (d=100-190 mm)	[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	NPD	[kPa s/m ²]
Reaction to fire	RtF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D

d [mm]	20	30	40	50	100	120	150	-	-	-	-	-	-	-	-	-	-
R_D [m ² K/W]	0,55	0,85	1,10	1,40	2,85	4,55	4,25	-	-	-	-	-	-	-	-	-	-

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	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	
		120	2	1,20	0,144	20	24,00	2,880	
		150	2	1,20	0,180	16	19,20	2,880	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-