

Release: 08.07.2022

PETRALANA[®]
from nature

TECHNICAL DATA SHEET



PETRATOP-L

Stone wool plates
 with a bright veil for thermal,
 sound absorption and fire
 protection

OFFICIAL DOCUMENTATION:

Declaration of Performance:
 No PTRL-DoP/MW/22/126



APPLICATION:

ceilings above garages

basements

FACTORY:

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PRODUCT CODE
PETRATOP-L MW-EN13162-T5-DS(70,90)-CS(10)0,5-WS-WL(P)-MU1-AW1,00
DECLARED THERMAL CONDUCTIVITY COEFFICIENT λ_D
$\leq 0,034$ [W/(mK)]

DECLARED PARAMETERS			
PROPERTIES OF THE PRODUCT ACC. TO EN 13162	SYMBOL	CLASS OF 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)	<1,0	[%]
Compressive stress at 10% deformation or compressive strength	CS(10/Y)	CS(10)0,5	[kPa]
Tensile strength perpendicular to faces	TR	[-]	[kPa]
Point load at 5mm deformation	PL(5)	[-]	[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	[-]
Sound absorption index	AW	1,00	[-]
Air flow resistivity	AFr	[-]	[kPa s/m ²]
Reaction to fire	RtF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D																	
d [mm]	120	140	150	160	180	200	220	240	250	-	-	-	-	-	-	-	-
R_D [m ² K/W]	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			PALLET		
length	Width	Thickness	No. of plates in a package	Cover surface in 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	120	5	3,00	0,360	16	48,00	5,760
		140	4	2,40	0,336	16	38,40	5,376
		150	4	2,40	0,360	16	38,40	5,760
		160	3	1,80	0,288	20	36,00	5,760
		180	3	1,80	0,324	16	28,80	5,184
		200	3	1,80	0,360	16	28,80	5,760
		250	2	1,20	0,300	20	24,00	6,000

(*) other thickness under request

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