

Release: 18.01.2019

PETRALANA[®]
from nature

TECHNICAL DATA SHEET



OFFICIAL DOCUMENTATION:

Declaration of Performance:
No PTRL-DoP/MW/15/108



APPLICATION:

ceilings above garages

basements

FACTORY:

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PRODUCT CODE
PETRATOP MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1 (d=60-99 mm) PETRATOP MW-EN13162 TS DS(70 90)-CS(10)10-TR5-WS-WL(P)-MU1-AW0,95 (d=100-250 mm)
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)	$\leq 1,0$	[%]
Compressive stress at 10% deformation or compressive strength	CS(10/Y)	CS(10)10	[kPa]
Tensile strength perpendicular to faces	TR	$\geq 5,0$	[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	0,95 (d=100=-250 mm)	[-]
Air flow resistivity	AFr	[-]	[kPa s/m ²]
Reaction to fire	RfF	A1	Euroclass

DECLARED THERMAL RESISTANCE R_D																	
d [mm]	60	70	80	90	100	120	140	160	180	200	220	240	250	-	-	-	-
R_D [m ² K/W]	1,75	2,05	2,35	2,60	2,90	3,50	4,10	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 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	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
		150	2	1,20	0,180	16	19,20	2,880
		200	2	1,20	0,240	12	14,40	2,880
		(*)	-	-	-	-	-	-

(*) other thickness under request