

TECHNICAL DATA SHEET



OFFICIAL DOCUMENTATION:

Declaration of Performances
Nr PTRL-DoP/MW/19/108
Nr PTRL-DoP/MW/22/122

APPLICATION:

ceilings above garages
basements



1454-CPR-1021

PETRALANA S.A.
Konstytucji 74 Street
41-905 Bytom
Poland
+48 32 770 05 00
office@petralana.eu

PRODUCT CODE

PETRATOP-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1 (d=60-99mm)
 PETRATOP-H MW-EN13162-T5-DS(70,90)-CS(10)10-TR5-WS-WL(P)-MU1-AW0,95 (d=100-250mm)

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)	10	[kPa]	
Tensile strength perpendicular to faces	TR	≥ 5	[kPa]	
Point load at 5mm deformation	PL(5)	[-]	[-]	
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	[-]	[-]	
Reaction to fire	RIF	A1	Euroclass	
Sound absorption	AW	0,95 (d=100-250)	[-]	

DECLARED THERMAL RESISTANCE R_D

d [mm]	60	70	80	90	100	120	140	160	180	200	220	240	250	-	-	-	-
$R_D [m^2K/W]$	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 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	60	10	6,00	0,036	8	48,00	2,880	
		80	5	1,80	0,144	20	36,00	2,880	
		100	4	2,40	0,240	12	28,80	2,880	
		120	2	1,20	0,144	20	24,00	2,880	
		150	4	2,40	0,360	8	19,20	2,880	
		200	2	1,20	0,240	12	14,40	2,880	
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-