

TECHNICAL SHEET



Metal ceiling tile made of white post-coated powder painted steel 5/10, RAL 9016, base of 15/24 mm, lowered by 8 mm, right angle shape, micro-perforated surface, plain border of 20 mm. Size 600x600x40 mm, 1200x600x40 mm.



Passive Metal Plafond	Weight (kg)	Base (mm)	Code
Passive metal plafond 600x600	1,7	15	6140605
		24	6140626
Passive metal plafond 1200x600	3,6	24	6141205

Polystyrene Panel

Features		600	1200	Unit	Standard
Size of the panel		600x600	1200x600	mm	UNI EN 822
Standard thickness		40		mm	UNI EN 823
Thickness of the insulating base		40		mm	UNI EN 1264-3
Equivalent total thickness		40		mm	UNI EN 1264-3
Bending strength	BS	200		kPa	UNI EN 12089
Compressive stress at 10% deformation	CS(10)	150		kPa	UNI EN 826
Thermal conductivity at 10 °C	λ_d	0,033		W/(m · K)	UNI EN 12667
Thermal resistance	Rd	1,20		(m ² · K)/W	UNI EN 12667
Tensile strength perpendicular to faces	TR	≥ 150		kPa	UNI EN 1607
Specific heat	C _p	1450		J / (kg · K)	UNI EN 10456
Shear resistance	frk	≥ 75		kPa	UNI EN 12090
Shear modulus	Gm	≥ 1000		kPa	UNI EN 12090
Water vapour diffusion resistance factor	μ	30 ÷ 70			UNI EN 12086
Dimensional stability	DS(N)2	± 0,2		%	UNI EN 1603
Long term water absorption by partial immersion	Wlp	≤ 0,5		kg / m ²	UNI EN 1609
Long term water absorption by total immersion	WI(T)	≤ 2		%	UNI EN 12087
Reaction to fire	Euroclass	E			UNI EN 13501-1
Limit of operating temperature		80		°C	
Declaration according to UNI EN 13163	T1-L2-W2-S2-P3-BS200-CS(10)150-DS(N)2-WL(T)2-TR150-MU(30-70)				

Metal Plafond

Feature	600	1200	Unit
Material	Steel 5/10		
Smooth perimeter	20		mm
Base	15 / 24	24	mm
Rebate	8		mm