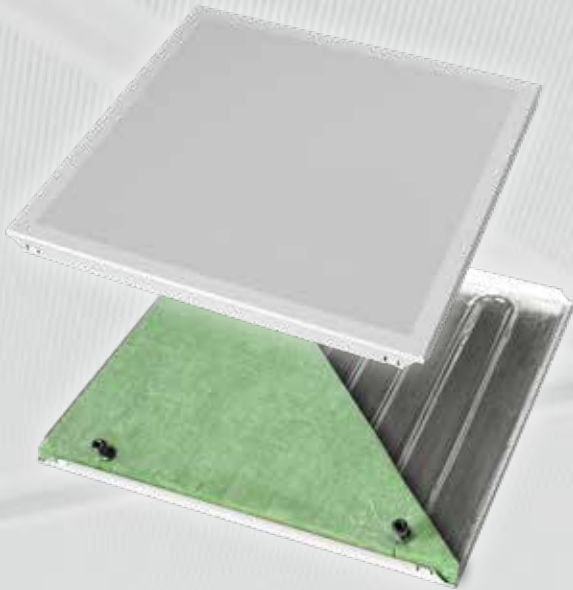


## 600X600 COPPER 8 METAL RADIANT PANEL WITH POLYESTER INSULATION



High output Copper 8 radiant panel, size 600x600 mm, or ceiling mounting on hidden modular structure. It consists in 5/10 steel post-painted (RAL 9016) tiles with a swinging ("trap-door") opening system, with micro-perforated surface, plain border of 30 mm and bevelled edge. The panel is fixed by means of an aluminium diffuser to the Ø 8 mm copper pipe, equipped with push-fit fittings and suitably shaped with a flattened elliptical design to increase the thermal output. The ceiling tile is available either with polyester insulation (reaction to fire classification: B-s2,d0). Panel size with polyester: 600x600x40 mm.



Copper 8 metal radiant panel	Weight (Kg)	Code
600x600 Copper 8 metal radiant panel	2.5	6145620

Thermal performance			
Features	Value	Unit	Standard
Heating ( $\Delta t$ : 15K)	120	W/m <sup>2</sup>	DIN EN 14037
Cooling ( $\Delta t$ : 8K)	91	W/m <sup>2</sup>	DIN EN 14240

Plafond			
Features	Value	Unit	Standard
Type	Bevelled-edge panel with trap-door opening		
Material	Post-painted steel		
Length	600	mm	
Width	600	mm	
Height	27	mm	
Thickness	0.5	mm	
Emission of dangerous substances	nothing		EN 13964
Bending resistance	class 1		
Duration	class C		

Polyester Panel				
Features		Value	Unit	Standard
Size of the panel		596x596	mm	UNI EN 822
Standard thickness		30	mm	UNI EN 823
Density		30	Kg / m <sup>3</sup>	
Thermal conductivity	$\lambda$	0.036	W/(m · K)	UNI EN 12667 / ISO 8302
Declared thermal conductivity	$\lambda_d$	0.038	W/(m · K)	UNI EN 12667 / EN ISO 10456
Airflow resistance		3.593	Pa · s / m <sup>2</sup>	UNI EN 29503
Water vapour diffusion resistance factor	$\mu$	3.2		UNI EN 12086
Dimensional stability (+23°C , 90% R.H. , 48h)	Length	- 0.02	%	UNI EN 1604
	Width	0.02		
	Thickness	- 0.12		
Lower heating value		21600	kJ/kg	
Specific heat		1.18	kJ/kg K	UNI EN ISO 11357-1 / ISO357-2
Reaction to fire	Euroclass	B - s2, d0		UNI EN 13501
Limit of operating temperature		-40 ÷ +90	°C	

Pipe		
Features	Value	Unit
Material	EN 12735-2 Annealed Copper Cu-DHP CW24A EN 12735-2 Light Y040	
Diameter	8	mm
Thickness	0.75	mm
Circuit length	4360	mm

Diffuser		
Features	Value	Unit
Material	Aluminium	
Length	580	mm
Width	580	mm

