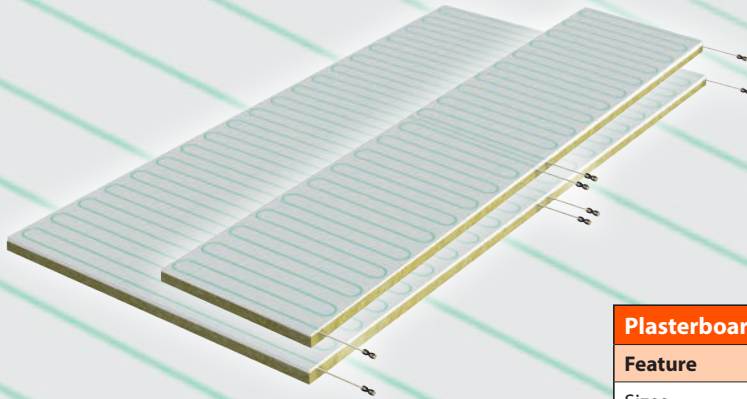


## B!KLIMAX 8+ RADIANT PANEL MADE OF PLASTERBOARD WITH INSULATING ROCKWOOL



b!klimax 8+ radiant panels are made up of plasterboard and a insulation layer of rockwool. The plasterboard shows a drawing of the hydraulic circuits. b!klimax 8+ radiant panels contain 2 hydraulic circuits, made of PE-RT pipe Ø 8 mm with anti-oxygen barrier according to DIN 4726 and provided with push-fit fittings. Pipes are fixed to the panel through an aluminium metal diffuser, while thermal insulation is represented by a layer of rockwool, thickness 40 mm and density 165 Kg/m<sup>3</sup>, specifically designed to accommodate PB pipes.



Radiant Panel	Weight (Kg)	Code
Radiant panel 600x2400	24.1	6142270
Radiant panel 1200x2400	47.9	6142210

Plasterboard Panel				
Feature	600	1200	Unit	Standard
Sizes	600x2400	1200x2400	mm	
Standard thickness:	12.5		mm	
Density	760		Kg / m <sup>3</sup>	
Fire reaction	A2-s1,d0			
Thermal conductivity	0.20		W / (m . K)	
Water vapour diffusion	10			EN 10456

Rockwool Panel					
Feature		600	1200	Unit	Standard
Size of insulating panel		600x2400	1200x2400	mm	UNI 822
Standard thickness		40		mm	UNI 823
Declared thermal conductivity	$\lambda_d$	0.040		W/(m · K)	UNI EN 12667, 12939
Thermal resistance	$R_d$	1		(m <sup>2</sup> · K)/W	
Resistance to compression 10%	$\sigma_{10}$	70		kPa	UNI EN 826
Resistance to point load	$F_p$	600		N	UNI EN 12430
Tensile bond strength:	$\sigma_{mt}$	15		kPa	UNI EN 1607
Water vapour diffusion resistance factor	$\mu$	1			UNI EN 12086
Short term water absorption by partial immersion	$W_s$	< 1		kg/m <sup>2</sup>	EN 1609
Long term water absorption by immersion	$Wl(p)$	< 3		kg/m <sup>2</sup>	EN 12087
Specific heat	$C_p$	1030		J / (KgK)	UNI EN 10456
Density	$\rho$	165		Kg / m <sup>3</sup>	UNI EN 1602
Reaction to fire	Euroclass	A1			UNI EN 13501-1
Declaration according to UNI EN 13162	MW-EN 13162 T5-CS(10/Y)70-PL(5)600-TR15-DS(TH)-DS(T+)-MU1-WS-WL(p)				

PE-RT Pipe					
Application field		CLASS 4	CLASS 5	$T_{max}$ 70 °C	Pressure 8 bar
		For use with hot and cold water	For use with hot and cold water	$T_{max}$ 90 °C	Pressure 6 bar
Outside diam. (mm)	Thickness (mm)	Circuit Length (mm)		Weight (g/m)	Water content (l/m)
8	1	600	1200	22	0,028
		12	24		

