



### **Best Thermal Comfort**

Comfort is a perfect balance of heat exchange between our body and the surrounding environment. Radiana enhances the feeling of a uniform, natural temperature



### **Fast and Easy to Install**

Radiana is installed directly to the ceiling framing in much the same way as traditional plasterboard. When compared to HVAC the installation of Radiana climate control is quicker and easier



### **Heating and Cooling**

Radiana panels can be used for heating and cooling and can be coupled with a vast range of heat/cool sources dependant on the specific application and your own preference

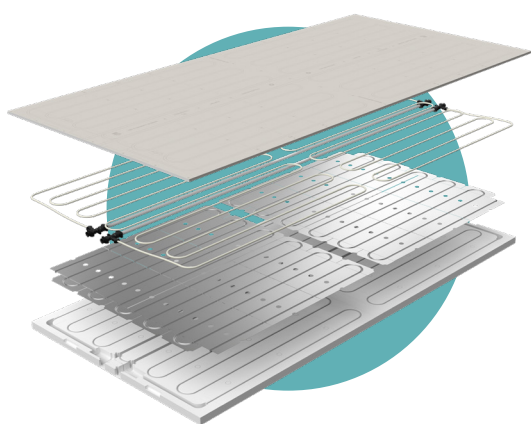


### **The Green Solution**

Choosing to live in a green home means choosing a lifestyle and a technology that combine well-being and energy efficiency. Up to 50% energy savings compared to HVAC

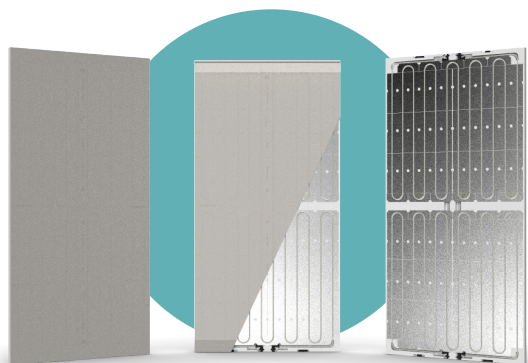


- 1** Standard 12.5mm plasterboard face
- 2** All pipes are laser etched on the face
- 3** Push fit connections with 10 year guarantee
- 4** 8mm (5/16") O.D. Dowlex PERT radiant tubing with EVOH oxygen barrier
- 5** 37.5mm EPS board ASTM E84 (Class A rated)
- 6** 0.3mm gauge aluminium heat transfer plates



### A **revolutionary** connection system

Radiana features a revolutionary connection system that makes the installation of the radiant ceiling quick and simple. Without a significant loss of efficiency up to 8 panels can easily be connected in series directly to a manifold loop.



Radiana panel		12.5mm Standard with Air renew Gypsum Board
Dimension		1200 x 2400mm
Thickness		50mm
Weight (dry)		12kg/m
Water content		2.2 litres
Radiant tubing		Dowlex PERT with EVOH oxygen barrier
Diameter		8mm (5/16") o.d. - 5.5mm (7/16") i.d.
Spacing between pipes		70mm
Heat output <sup>†*</sup>	Min	84w/m
	Max	212w/m
Cooling output <sup>†*</sup>	Min	70.34w/m
	Max	109.77w/m
Effective radiant surface		~ 90%
Operating temperature		7 - 55°C
Surface flame (ASTM E84)		Class A
Flame spread Index		0
Smoke developed Index		5