

Unrivalled Thermal Comfort

Thermal comfort is a perfect balance of heat exchange between our body and the surrounding environment. Radiant technology enhances the feel of a uniform, natural temperature.



Fast and Easy to Install

The Radiana ceiling tile system is installed directly to the existing ceiling suspension grid in much the same way as traditional ceiling tile systems.



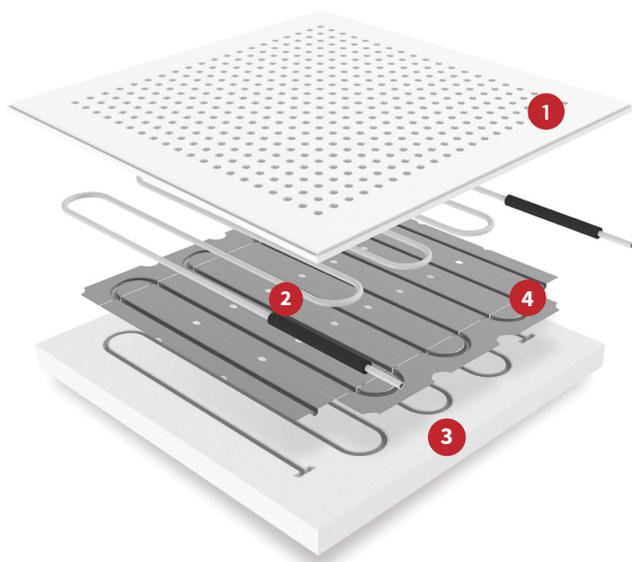
Heating and Cooling

Radiana ceiling tiles can be used for heating and cooling and can be coupled with a vast range of heating/cooling sources, dependant on the specific application and your own preference.



Optimise Acoustics

Radiana's adaptability to any gyptone ceiling tile allows you to tailor the acoustic performance of your ceiling system to directly suit your needs.



- 1** Gypsum finishing
- 2** 8mm (5/16") O.D. Dowlex PERT radiant tubing with EVOH oxygen barrier
- 3** 37.5mm EPS board ASTM E84 (Class A rated)
- 4** 0.3mm gauge aluminium heat transfer plates

The Radiana ceiling grid system is a **special suspended ceiling system** designed to regulate room temperatures using **radiant heating and cooling technology**.

Its **exceptional performance** and **customisability** make it **thermally and acoustically ideal** for a **wide range of applications**, from offices, schools and conference rooms to restaurants, hospitals and airports.

The system is **compatible with any gypsum tile from the gyptone range**. Without a significant loss of efficiency, **up to 64 tiles** can be connected in series directly to a manifold loop.

The tiles are simply **set into the existing ceiling suspension grid**, ensuring easy access during inspections. If needed, moving the tiles for maintenance of hydraulic connections is straightforward.

Technical specification

Dimension	600x 600mm	Max heating output	222 w/m
Thickness	52.5mm	Typical cooling output	74 w/m
Weight (dry)	12.84 kg/m ²	Max cooling output	114 w/m
Water content	2.27 litres (including supply & return backbone pipes)	Effective radiant surface	~ 90%
Radiant tubing	PEX with oxygen barrier	Operating temperature	7°C - 60°C
Diameter	8 mm (~ 5/16") O.D. - 5.5 mm (~ 7/16") I.D.	Surface flame (ASTM E84)	Class A
Spacing between pipes	79.3 mm	Flame spread index	0
Typical heating output	88 w/m	Smoke developed index	5