heat cloud

Radiant Conditioning

The MUST HAVE alternative to Under Floor Heating

SPC

Are you looking for a **heating system that...**

... provides invisible heat with no wall or floor space taken up

... is designed specifically for low water temp systems (heat pumps)

... has rapid response times (surfaces up to temperature in 10 mins)

... benefits from simple on/off control in individual rooms

... is suitable for fitting throughout the property

... is energy efficient - heightened surface temperatures allow reduced thermostat settings

... features simple installation – first fit item

... benefits from a UK wide network of certified installers

What is **Heat Cloud?**

Heat Cloud is a high-tech radiant panel using the latest D Tube heat transfer technology in conjunction with light aluminium sheet and thin gauge copper tube. The panels offer efficient heating performance from low water temperature systems along with low inertia and fast response times. The product is simple to install, low weight, low water volume and totally recyclable.

Available in bespoke sizes and a range of pipe configurations, Heat Cloud fits within the building's ceilings, walls or a combination of both. By utilising side profiles and/or a retaining clip system, Heat Cloud sits within the building's sub-structure without reducing the ceiling height or room dimensions and is invisible to the occupants.

How does **Heat Cloud work?**

The Heat Cloud panels are in direct contact with the plasterboard panels which become activated (heated) whenever hot water flows through the pipes of the Heat Cloud panel. The room facing surfaces of the plasterboard assume a temperature above that of the people and objects in the space and transfer heat directly to these surfaces via radiant exchange. The space air is indirectly heated via contact with the warm surfaces.

As the inward facing surfaces adopt an enhanced temperature the space air temperature can be allowed to reduce by approximately 3°C while maintaining the same level of perceived comfort. This reduced air temperature significantly reduces the heat losses from the space compared with traditional systems. The combination of reduced air temperature, controllability and rapid response time provide the client with reduced energy bills.

a **system** that also...

... can be used for comfort cooling by reversing the cycle of the air source heat pump

... has almost no maintenance, fit & forget

... is provided with dedicated technical support

... uses fully recyclable material in the form of aluminium & copper

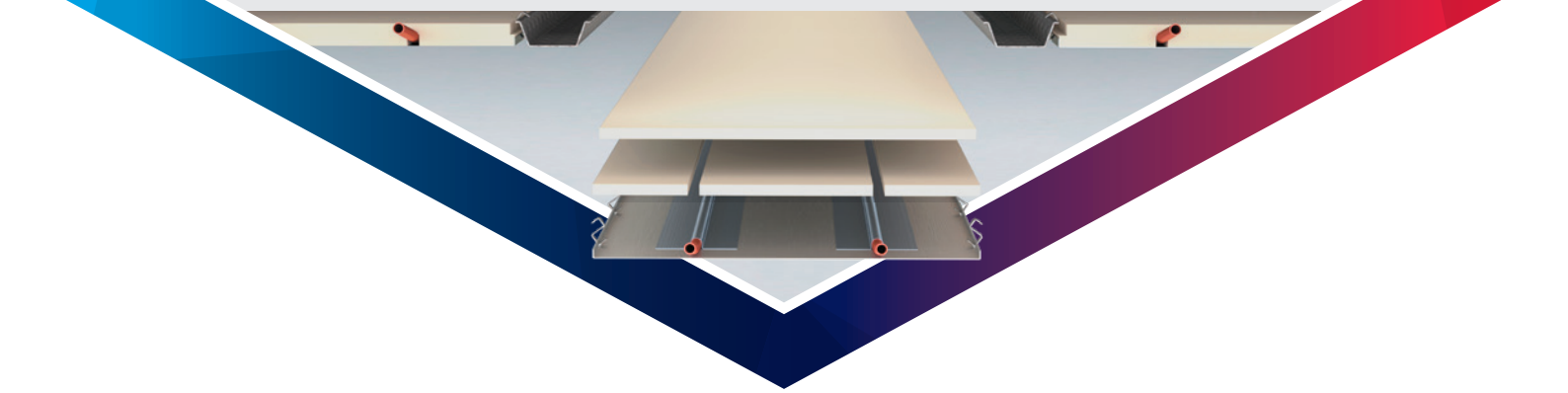
Heating Output W/m²

	Standard	Perforated	Graphite Board	12mm Board	15mm Board
DT (°C)	10mm	10mm	Plus 10%	Minus 8%	Minus 12%
22	150	156	165	138	132
20	133	140	146	122	117
18	121	125	133	111	106
16	106	109	117	97	93
15	99	102	109	91	87

Cooling Output W/m²

	Standard	Perforated	Graphite Board
DT (°C)	10mm	10mm	Plus 10%
15	110	116	121
12	82	86	90
10	75	79	83
9	64	67	70

DT is temperature difference between mean water temperature and room temperature.



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To enquire about using Heat Cloud in your social housing or to become an accredited Heat Cloud installer, please contact us on **0116 2490044** or email **heatcloud@spc-hvac.co.uk**

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