

The principle behind the JUPITER IDEAL dry system is simple – a fast response system. Traditional screed systems take hours to heat up and cool down due to the large thermal mass of the screed. Existing users of screed based under floor heating systems typically say that although they love the feel and comfort of their heating system they find it difficult to control. Screed systems are generally NOT switched off overnight, they are simply put on a 'setback' temperature setting. This means that the boiler is still

The introduction of dry installed, low level systems such as Fermacell and our Screed Replacement tiles mean that due to their low thermal mass the heat up and cooling times are vastly improved. Typically our system heats up and cools within the hour. This means that the full advantages of weather compensated boilers can be taken as the under floor heating system will be able to react external climate changes. In other words you can use the system like a conventional radiator system and turn the system off at night and turn it on again in the morning.

Below are thermal images of our heating system compared to other dry systems on the market. All dry systems are quick to react however the complete covering of aluminium diffusion plates on the JUPITER system provides a far more even heat.

The rise in temperature in these photographs is approximately 4 degrees over the course of 120 minutes.

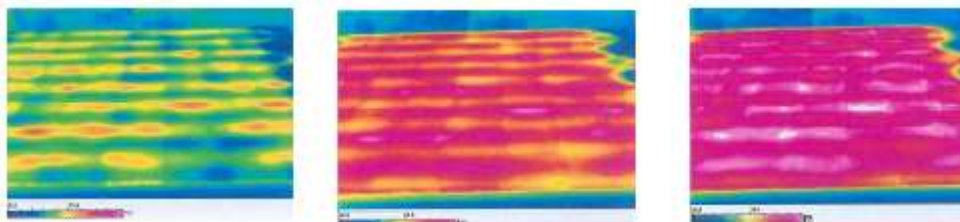
Typically an average room temperature of 20° will cool off to 15 – 16° if the system is shut down overnight. Ambient room temperature will therefore be achieved approximately 1 hour after switching on.

After 30 mins

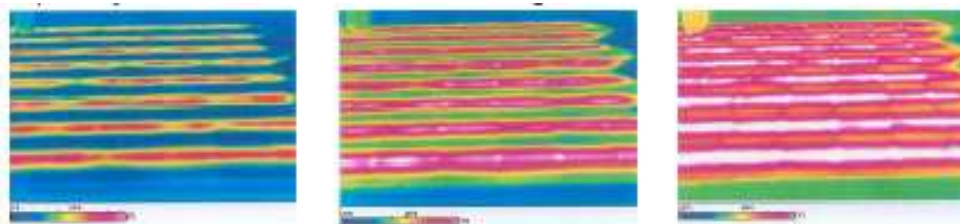
After 60 mins

After 120 mins

JUPITER IDEAL System with full coverage aluminium plates



Panel system with steel strips without full coverage diffusion plate



Panel system with steel strips with full coverage diffusion plate

