

Benefits of Infrared Heating

Wondrwall has selected a number of heating technologies that best fit with the responsive, data-driven way our system works. Available in a choice of aluminium, glass and mirrored finish, Wondrwall Infrared Panels deliver heating in a stylish, comfortable, energy efficient and highly controllable way, creating a drier, warmer, healthier home while reducing energy consumption. Wondrwall automatically heats the rooms you are in while avoiding to heat empty rooms and homes, reducing the energy usage for heating of the home by up to 50% while ensuring you are always comfortable.

Used for decades in Germany and Austria, the immediate experience of infrared heating can best be described as feeling the warmth of the winter sun. Through a combination of our detect, learn and respond technology infrared heating is a perfect technology to be matched with a Wondrwall heating or net-zero solution.

Infrared heating panels simply run on electricity, so there is no need to install a boiler and additional pipework for them to run. The panels themselves can also be used to heat a whole house and since they can be turned on and off as needed and produce heat almost instantly, you can very easily produce a zone heating system (for each room or more) to match your requirements.

The cost of running an infrared panel versus an electrical convection heater is far cheaper as they require less power output to provide the same level of heat – for instance a 600w infrared panel will provide the same level of heating comfort as a 1500w convection heater, so they roughly require a third of the input, hence are cheaper to run. Combined with Wondrwall's zonal controls, this cost is significantly reduced even further.

Infrared heating panels can be hung from the ceiling, so you don't lose any floor area like you would with radiators. By doing this it also increases the heating coverage area of the panels. For example an 850w panel will heat 13.5m² area if hung on a wall, but a 17m² area if attached to the ceiling. Panels are also very thin so even on walls they will not take any of your room.

With Wondrwall quality panels you can also be sure that they are going to last a long time and will not need any maintenance with a typical life of > 100,000 hrs (> 34yrs at 8hrs a day).

Intelligent Hot Water

The Wondrwall Hot Water Cylinder is an energy-efficient and cost-effective hot water tank for the home. It works both day and night, all year round, whatever the weather, to provide hot water using roughly half the energy typically required. Wondrwall's cylinder learns how much hot water you use and only heats what you need, dramatically reducing energy consumption. In addition, the cylinder acts as a thermal battery, further reducing hot water energy costs.



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wondrwall®

INTELLIGENT LIVING



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Intelligent living which doesn't cost the earth



Ultra-efficient AI controlled Gas-Free Heating Solutions

Wondrwall infrared panels and underfloor heating deliver heating in a stylish, comfortable, energy efficient and highly controllable way. Creating a drier, warmer, healthier home while reducing energy consumption.

Wondrwall learns and works around you, observing how you use your home, which rooms you spend the most time in, how you prefer your heating and how much hot water you actually require.

Wondrwall then automatically heats the rooms you are in while avoiding heating empty rooms and homes. In doing so, Wondrwall seamlessly and intelligently supports and enhances your living environment, ensuring you are always comfortable and reducing your energy consumption without you lifting a finger.

When we combine Home Automation and gas-free space heating solutions with the Wondrwall intelligent water cylinder, which monitors consumption to ensure no energy is wasted heating and reheating unused water, Wondrwall can reduce energy consumption further by up to 50%.



ALL ELECTRIC HEATING
AND HOT WATER



MULTI-ZONE
TEMPERATURE CONTROL



ULTRA-EFFICIENT
IMMEDIATE HEAT

To learn more about Wondrwall technology visit www.wondrwall.co.uk