

## **Commercial UFH Breakdown Engineers / Electric Underfloor Heating Installations**

For new or existing constructions where the sub-floor is already in place: subject to standard floor preparation, electric heating cables or mats are laid on top of the existing sub-floor; making this type of installation very fast and low cost.

In both instances, electric or water floor heating systems will generate enough energy to provide the primary heating requirements for a new or well insulated building, without the need for additional radiator heating. However, where the two systems differ is in the running costs: simply put, for hot water systems, gas-heated boilers are more economical to run per KW of heat output than using electricity per KW hour to run electric UFH. The difference between the overall lower cost of installation for an electric underfloor heating system with a higher running costs, compared to the alternative higher cost of installing water underfloor heating but with lower running costs, becomes one of length of time to realize the initial investment of the installation.

For existing sub-floors, electric UFH will be the only practical solution; for new sub-floors the lower running cost benefits will always outweigh the higher installation costs over the longer term.

Electric underfloor heating systems, on the whole, allow a room to reach the required temperature faster than wet systems, because they are direct heat sources, but may also be anything up to 40% more expensive to run than wet systems.

Some less expensive electric systems may be unsuitable for installation beneath engineered or laminated, wood flooring, but ribbon cables which operate at a temperature as low as 30°C, are available and these can be installed without danger to the colour, texture, etc. of these and other sensitive floor coverings, such as carpet, or linoleum.

## **Benefits Of Underfloor Heating**

There are many benefits of using underfloor heating as opposed to traditional heating methods, please see the list below:

Space Saving – underfloor heating is out of sight and therefore out of the way, giving you extra space and allowing you to furnish rooms as you like – no more intrusive radiators.

Health & Hygiene – Underfloor heating prevents dust mites living in carpets, as well as taking away them hard-to-clean spaces where dust gathers on radiators.

Aesthetics – As mentioned, underfloor heating is out of sight, so you can have your room as you want it, no need to accommodate an ugly heating method.

Labour Saving – Wet floors in bathrooms, showers, and utility rooms dry quickly.

Comfort – Underfloor heating provides the ultimate comfort levels throughout your home by radiant heat, heat in its most natural form.

Silence – Underfloor heating suffers none of the creaks or groans of conventional copper pipes and radiators, just a reassuring silence.

Cost Effective – Underfloor heating will save you between 15-30% on your heating bills, depending on your lifestyle.

Ease Of Control - The implementation of underfloor heating results in a very even temperature throughout your home.

Economic – As well as being no more expensive than traditional heating methods, underfloor heating is virtually maintenance free, which reduces costs even further.

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