



CLIPRAIL SYSTEM

SUITABLE FOR SCREED FLOOR CONSTRUCTIONS

Our Cliprail system is the most popular underfloor heating system that we provide. It offers a flexible, efficient, and cost-effective heating system that is suitable for a screed floor makeup. Whilst we always recommend a liquid screed is used for maximum efficiency, a traditional sand/cement screed can also be installed.

This is the most common type of system found in both domestic and commercial new builds, particularly on the ground floor level. It offers a wide range of pipe centre spacings making it suitable for oil/gas boiler systems, as well as air or ground source heat pumps.

The cliprail is installed on top of the floor insulation, which can either be rigid sheet insulation or an insulated bead screed (TLA). It is then secured in place using push-in barbed clips.

The underfloor heating pipework is then installed into the cliprail in accordance with the CAD design drawings and further secured with additional push-in clips. We provide either 16x2mm or 20x2mm underfloor heating pipework depending on the project requirements.



An 8mm edge insulation strip is applied to all perimeter walls to allow for expansion of the screed as it heats up, and to provide a barrier to thermal bridging.

Once complete, the system is pressure tested, checked and signed off. For further peace of mind, it is left under this pressure test while the screeding takes place to ensure no accidental damage occurs.

