



CASE STUDY

Secure plumbing solution for Grade I historical home

Project at a glance

- New build home
- 94sqm
- Domestic Underfloor Heating
- Multi-zone UFH system embedded in a sand cement screed



"Being so busy, I appreciate an UFH system that is fast to fit. Two of us got the pipe laid and pressure tested ready for screed in a day"

Arron
Storer Plumbing & Heating

OBJECTIVE



With over 90sqm of floor to heat, Storer Plumbing & Heating wanted to provide their client with a long-lasting reliable underfloor heating system and zoned temperature controls. The UFH is boiler powered but retains the flexibility to transition to a renewable source in the future.

This stand alone, detached new build home, comprises five different rooms downstairs that needed to have flexible heating temperatures to ensure the family are always comfortable. UFH provides the perfect solution for a modern new build as it provides a clean look without radiators taking wall space, as well as ensuring there are no cold spots.

SOLUTION



As the building consisted of a solid floor, Storer Plumbing & Heating used a 16mm MLCP pipe which was stapled onto 100mm of insulation. A sand cement screed was then poured to ensure effective heat conduction and flexible options for the family's chosen floor coverings.

Our Quantum thermostat system was selected to work in conjunction with the smart gateway. The gateway connects the homeowners smart devices together and allows them to control their heating from the chosen device. As it's programmable, the family can ensure their heating is always at the temperature required and in an emergency can even operate it from their smartphone should they need a quick boost.

The manifold was located under the stairs in order to retain easy access but also to have a central location be best placed to ensure optimum efficiency of the complete system once commissioned.

David Playfoot, Technical Lead at Multipipe, said: "We're proud to supply UFH systems that installers can use to complete projects quickly, but with the peace of mind that they've supplied a quality product that will last for years."