



CASE STUDY

Energy efficient and bespoke underfloor heating design

Project at a glance

- Bungalow renovation with new build extension
- 254 sqm
- Underfloor Heating
- 16mm MLCP embedded in screed with manifold and Quantum thermostats



"I love Multipipe's manifolds because of their versatility, and, as usual, the team were spot on when designing the UFH system, so I know it will meet my customer's needs for years to come".

Nathan
Takumi Plumbing & Heating

OBJECTIVE



An award-winning building company approached Takumi Plumbing & Heating to supply and fit an energy efficient underfloor heating system in a 254 sqm renovation/extension project.

SOLUTION



Takumi Plumbing & Heating used 422m meters of Multipipe 16mm MLCP across four manifolds and 16 thermostats for perfect temperature control.

The thermostats selected are compatible with the Salus Home App, meaning that if they chose to in the future, the homeowners can control their UFH system via a handy app on their phone.

When the Takumi Plumbing & Heating team discovered that large sections of the property did not have any insulation, Multipipe worked with Nathan to design a system that would overcome any temperature issues.

In situations like this we recommend the use of Multifoil Supa which consists of 13 layers of reflective foil, thermo foil separation layers and topped with aa PE layer. It's ideal for use with underfloor heating systems as it is a low profile, thin insulation product below screed or on joisted systems.

Nathan also used our pre-lagged MLCP to make light work of ensuring the pipes were suitably protected.

David Playfoot, Technical Lead at Multipipe, said: "Having worked with Nathan for a number of years we're delighted to be his 'back up' team - he knows we're there to support him at every stage to make sure he can install with confidence leaving the ultimate professional finish every time".

MULTIPIPE