

Solving a domestic home heating dilemma

Project at a glance

- Ground Floor Home Existing & UFH Extension
- 64sqm
- Domestic Underfloor Heating
- Multi-zone UFH system embedded in a sand cement screed



"I've been delighted with the flexibility and functionality of the Multipipe products. I'm confident that our underfloor heating will provide comfortable warmth for my family for years to come"

Ahmet Hassan
Home Owner

OBJECTIVE



With over 60sqm of floor to heat, this client needed a solution that would provide consistent, controllable temperatures in different areas of this ground floor extension.

The large ground floor extension of this home comprises of four different rooms that needed to have flexible heating temperatures to reflect the families use of each room.

The client wanted a sleek look for the kitchen/diner without radiators taking wall space. For a large, open plan area like the kitchen/diner, underfloor heating meant there were no cold spots.

SOLUTION



As the building consisted of a solid floor we recommended using a 16mm MLCP pipe and sand cement screed to ensure effective heat conduction and flexible options for the family's chosen floor coverings.

In order to effectively combine the heating for the existing building and the new extension, and meet the clients requirement for a heat emitter to be installed throughout, we proposed a multizone control system with RIO programmable 230v thermostats. This gave the client an option to control the heat in each room, maximising their comfort and increasing efficiency.

The manifold was located in one of the kitchen cupboards in order to retain easy access but also be best placed to ensure optimum efficiency of the complete system once commissioned.

Individual 230v programmable thermostats in each of the rooms means the family can control the temperature according to their needs, reducing their bills and carbon footprint.

David Playfoot, Technical Lead at Multipipe, said: "Although a smaller job, it was still essential to ensure we met the client needs by offering the level of control they were after and allowing for future development of the system to switch to renewables in the future."