Case **Study**

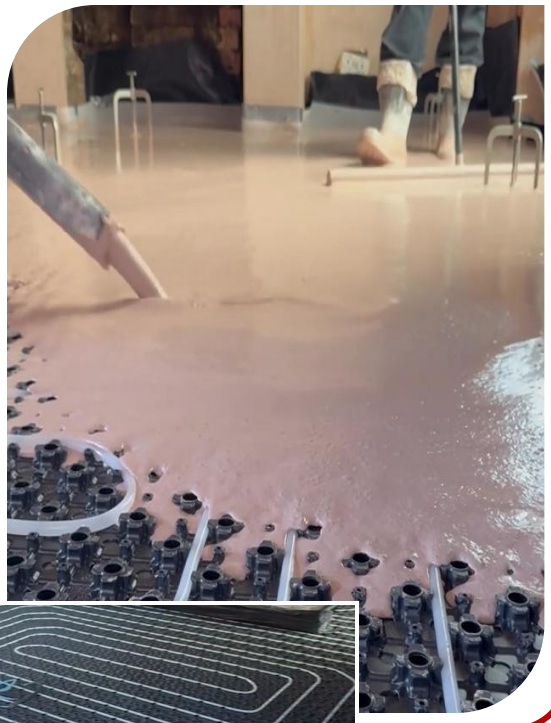
Gyvlon® Screed by ANHYDRITEC

Underfloor Heating Installation

The Challenge

The project involved a ground floor renovation and extension, incorporating multiple rooms including an open-plan kitchen and dining area alongside separate living zones. A key objective was to replace traditional radiators with a more efficient and visually unobtrusive heating solution. This required a system capable of delivering consistent heat distribution across varying room layouts, while also supporting independent temperature control in different areas of the home. Given the retrofit nature of the project, it was also essential to ensure compatibility with existing floor build-ups and to maximise thermal performance through effective insulation.

Type of Project: Domestic Ground Floor Renovation and Extension
Location: Essex
Systems Installed: Multipipe Underfloor Heating System 16mm MLCP Pipe with Thermio® Max FD E2C screed



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The Solution

A Multipipe underfloor heating (UFH) system was specified, utilising 16mm MLCP pipework installed within a screed floor construction utilising Thermio® Max E2C technology. The system was designed as a multi-FDzone installation, incorporating a manifold-based layout (typically one to two manifolds) to allow independent control of each area. Individual room thermostats, often smart-enabled, were used to provide precise temperature regulation tailored to occupant requirements. The UFH system was installed over an insulated subfloor, ensuring optimal thermal efficiency and effective heat transfer throughout the space.

The Result

The completed installation delivered a highly efficient, modern heating solution aligned with the design and functional goals of the renovation. By removing radiators, the system created a clean, uncluttered aesthetic, particularly suited to the open-plan layout. The underfloor heating provided even heat distribution, eliminating cold spots and improving overall comfort. The use of lower flow temperatures contributed to improved energy efficiency, while the zoned control system enabled flexible, lifestyle-driven heating, allowing different temperatures to be set for areas such as the kitchen, dining, and living spaces. Overall, the solution enhanced both the performance and usability of the renovated home, supporting modern living requirements.

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