



Uponor

# Homeowner heating project, London

- ✓ An efficient heating solution was required for a home renovation project
- ✓ Comfort E and Minitec was chosen due to its low installation height
- ✓ MLCP was selected for the plumbing system



## Reference: Homeowner heating project, London



### Overview

As part of a major renovation project, Mr Muhammed required an integrated heating solution for his home. The project scope also involved converting a garage into a living space and installing a new pipework solution to supply hot water.

### Uponor's involvement

After conducting research online, Suhail decided to contact Underfloor Store to gain advice on what heating solution/s to install. It was decided that Uponor's Comfort E Electric Underfloor Heating Solution would be ideal for the bathrooms, as it can easily be installed within rooms which have a small surface area and provides a "tile warming" effect. The other alternative, which involved connecting a central heating pipe to the bathroom was deemed to be unsuitable due to the amount of work that would be required.

In the main areas of the house (kitchen, dining area, hallway), Uponor Minitec was specified with a thin layer of screed applied on top. The overall thickness of the solution (15mm) was a key driver as to why it was chosen i.e. there was very little upheaval for the end user, as door frames and other fixtures did not have to be adjusted to allow for heavy screeding.

As part of this project, a new efficient boiler (Vaillant Ecotec system boiler) was also installed and this provided the opportunity to plan the pipework to the underfloor heating manifold without having to rip up floor boards etc.

Within the garage conversion itself, the overall floor height had to be increased substantially. As such, traditional MLC pipes (16mm) with a 40/50mm (liquid) screed was used to supply hot water.

#### Benefits:

- Uponor Minitec contains a thickness of only 15mm! That's half the size of a pound coin!
- The Comfort E digital thermostat, allows the end user to easily schedule heating
- Uponor MLCP unites the benefits of a plastic and metal pipe i.e. added flexibility is coupled with a form stable installation

#### Products used:

- Minitec (36 sqm)
- 3\* Comfort E packs
- MLC (25sqm)

#### Companies involved:

Online reseller- Underfloor Store

#### Reference pictures



Comfort E



Minitec with screed applied

#### Uponor Limited

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