

## CASE STUDY

**Project:** Misbourne School, Great Missenden, Buckinghamshire

**Date:** October 2015

**Systems:** Underfloor heating

### Project Details

This large scale commercial underfloor heating project was installed by S E Cook into a new 1250m<sup>2</sup> school classroom block at Misbourne School. A full underfloor heating solution was used across all 3 floors and the project included just over 6000 metres of 16mm Multi-layer Composite Pipe (MLCP) laid directly onto the floor with screed subsequently applied. Maincor MLCP is highly flexible, formstable, has low expansion rates and a 100% oxygen barrier making it an ideal choice for underfloor heating.

The project included 8 Maincor UFH manifolds and 6 of these were used in conjunction with the new UFH Control Pack 250 increasing the efficiency and controllability of the system. The Large Control Pack uses an actuated blending valve and a Wilo A rated pump to circulate and blend the water. It can be used to a max floor area of 250m<sup>2</sup> at an output of 70W/m<sup>2</sup>.

Working with the customer to support this project Maincor provided a full site survey and design solution for the Mechanical Engineer and on-site support and product training. Maincor also offer a long-term insurance backed warranty for extra peace of mind.

### Client Testimonial

"I chose Maincor because of the service and after-sales support that they offered and that what I asked them to do was actually delivered. I would always recommend Maincor".

Sam Cook, S E Cook Mechanical Engineer



### Maincor Ltd

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## MAINCOR OVERVIEW

### ABOUT MAINCOR

Established in 2007 as Maincor Ltd, we are based in Lutterworth, Leicestershire, supplying customers throughout the UK, Ireland and Channel Islands.

We are an independent UK company, part of the wider Maincor family based in Germany who manufacture and supply pipe systems for plumbing, heating, underfloor heating, as well as specialist pipe products for boiler and white goods manufacturers.

We specialise in innovative plumbing solutions and underfloor heating, using primarily multilayer composite pipe (MLCP) and we also have a PE-RT product option available. We have a product range to suit most requirements from large commercial projects such as schools and hospitals to new build housing developments through to small conservatory extensions.

Our products have the required UK WRAS approvals and many also have international approval. We are a member of UHMA (the Trade Association for Surface Heating and Cooling) and work with CIBSE (Chartered Institution of Building Service Engineers), BSRIA (Building Services Research and Information Association), IDHEE (Institute of Domestic Heating & Environmental Engineers) and CIPHE (Chartered Institute of Plumbing Engineers).

#### Manifold Plumbing Systems

With simple individual isolation of appliances, a manifold plumbing system provides a safe, secure and easy plumbing solution.

When using Multilayer Composite Pipe there are no joints within the building fabric which reduces the chance of leakage and gives fast and easy installation. For domestic applications MLCP is available in the common sizes of 16mm, 20mm, 25mm and 32mm diameters. A wide range of press and compression fittings are available to suit.



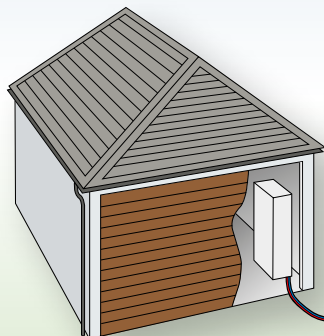
#### Radiator Manifold Systems

This system offers simple radiator isolation and, with no joints in the building fabric, a much reduced chance of leakage. The Maincor range of system controls allows for improved comfort levels and increased energy efficiency saving money for the home owner or tenants.



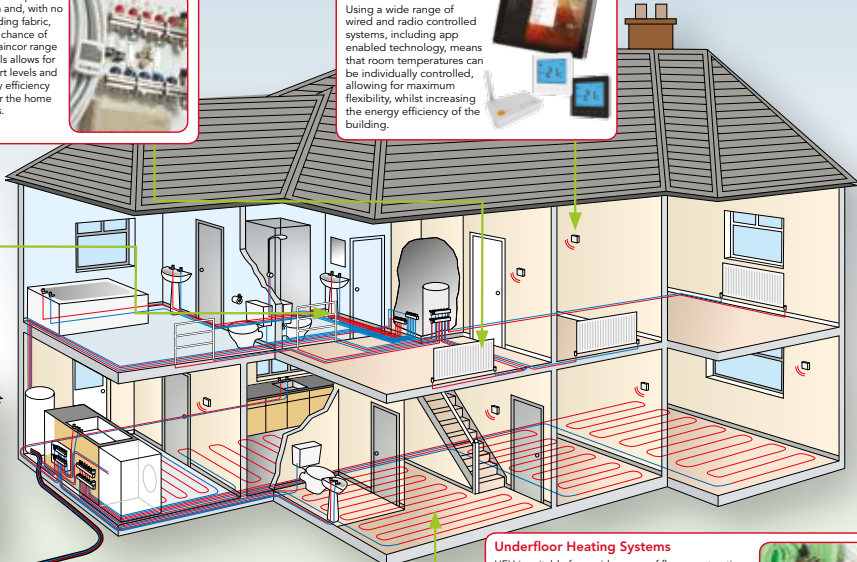
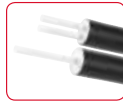
#### Sophisticated Controls

Using a wide range of wired and radio controlled systems, including app enabled technology, means that room temperatures can be individually controlled, allowing for maximum flexibility, whilst increasing the energy efficiency of the building.



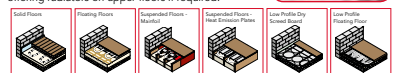
#### Pre-Insulated Pipes

Whilst providing efficient transfer of hot and cold water between buildings, pre-insulated pipes are especially suited for the transfer of hot water from heat pump or biomass systems or from community heating systems.



#### Underfloor Heating Systems

UFH is suitable for a wide range of floor constructions, on both ground and upper floors. Using Maincor controls, manifolds, 12mm or 16mm pipes and accessories, it is simple to create individual heating systems with the comfort required. UFH can be easily combined with radiator systems for extensions and conservatories, or to create a mixed heating system offering radiators on upper floors if required.



### MAINCOR FIVE STEP PROGRAMME

- Design
- Quotation
- Technical and Site Support
- Installation Support and Training
- Completion

If you need help finding the right Maincor products for your project our nationwide sales team will be happy to assist you, simply give head office a call on 01455 555930. We also have an 'in house' highly qualified technical team that can answer our questions. From the simplest quick question, to the most complex controls query, our team will be able to help you.

