

CASE STUDY

Underfloor Heating solution for prestige car cafe

Project at a glance

- Prestige car cafe
- 503 sqm
- Underfloor Heating
- 16mm MLCP embedded in screed with manifolds and Quantum thermostats



"For such a prestige project, I wanted to exceed the clients' expectations and so chose Multipipe as I know I can rely on their expertise and products to produce the right result".

Mick
Windsor Plumbing & Heating

OBJECTIVE



A highly prestigious car garage and café was not up to standard, and so the client picked Windsor Plumbing & Heating (M&E contractor) due to a highly regarded reputation in specialist underfloor heating solutions.

It was also important to the client that the job was completed on time and to a very tight specification.

SOLUTION



With 530 sqm to heat, Windsor P&H used 2577 meters of Multipipe 16mm MLCP across four manifolds for perfect temperature control. With a design water temperature of 40 degrees, the system has been optimised for energy efficiency.

The building floor needed to be strong enough to work as a café and ensure that cars could be wheeled in, without causing cracking or damage to the UFH system. Multipipe worked with specialist screed and insulation companies to ensure that the UFH system installed will be good for years to come.

Our Quantum thermostat system ensures the café owner can control the system remotely. Thanks to the self-learning algorithms of the thermostats though, they are assured that heat is not being wasted.

David Playfoot, Technical Lead at Multipipe, said: "When Windsor P&H approached us with this project, it presented some unique challenges. However, having expertise in underfloor heating and specialist screed manufacturers, we were able to build a specification everyone could be proud of".

MULTIPIPE