

ST GEORGE'S CHURCH



Preserving Heritage with Invisible, High-Performance Heating

PROJECT AT A GLANCE:

- Grade II listed historic Church
- Specialist design for Limecrete UFH installation
- Underfloor Heating with 2,200m of MLCP
- 350m of Plumbing Pipework (20-32mm diameter)
- 2 Maxima Radiator Manifolds
- 2 Maxima UFH Manifolds



"Working on a heritage project like St George's requires precision and a deep understanding of how modern systems interface with traditional materials. Our partnership with Multipipe was essential; their design team provided a bespoke layout that integrated perfectly with the Limecrete flooring, ensuring the church achieves modern warmth while remaining completely true to its historic roots."

David Irwin Smith
Irwin Smith Ltd

OBJECTIVE



A HISTORIC TREASURE

St George's Church in Benenden is a beautiful Grade II listed building with a rich history serving the local community. As part of a significant renovation project, the church committee sought to modernise the internal environment to ensure the space remained welcoming and comfortable for congregations and visitors, all while adhering to the strict preservation requirements associated with its historic fabric.

INVISIBLE MODERNISATION

The primary challenge was technical and aesthetic: how to introduce a modern, efficient heating system that did not detract from the church's traditional character.

The mandate was clear: the system must be completely "invisible." No visible pipework or radiators could clutter the historic interior. Furthermore, the installation required the use of a specialist Limecrete floor construction - a breathable, sustainable material commonly used in heritage restoration, which requires specific knowledge to ensure the underfloor heating performs correctly without damaging the floor build-up.

SOLUTION



EXPERT DESIGN AND INTEGRATION

Multipipe partnered with Irwin Smith Ltd to deliver a bespoke solution. The success of the project relied on a close technical collaboration, with Multipipe's in-house team managing the design and pipe sizing for both the heating and the wider plumbing requirements.

TECHNICAL IMPLEMENTATION

To achieve the "invisible" mandate, the design utilised underfloor MLC pipework fed through custom-placed manifolds. A critical feature of the design was the use of a dedicated radiator manifold strategy, which ensured that no joints were placed under the floor. This significantly reduces the risk of leaks in a sensitive, permanent installation where maintenance would be incredibly disruptive.

HERITAGE PRESERVED, FUTURE-PROOFED

The renovation of St George's Church has successfully demonstrated that modern comfort and historic preservation are not mutually exclusive. By leveraging Multipipe's design expertise and high-performance MLCP systems, Irwin Smith installed a heating system that remains entirely out of sight, protecting the visual integrity of the church's atrium and main spaces. The resulting installation provides the parish with a sustainable, low-maintenance, and reliable heating solution that will serve the community for decades to come, ensuring the church remains a comfortable, inclusive space while preserving its architectural legacy.