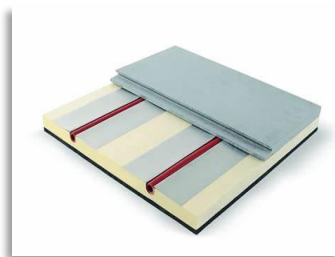




Underfloor Heating installation at Addison House, Cardiff

Designed and Installed by Certus Construction 2023



Addison House is one of Cardiff Council's new state of the art Community Living schemes, consisting of 44 x 1/2-bedroom flats, over 5 floors. Ground Floor Underfloor Heating is a Tacker Pipe system for solid Screed and Intermediate Floors are Resilient Acoustic Overlay Platform with Underfloor Heating embedded in routed XPS panels.

Certus designed the Underfloor Heating system for all Flats and Communal areas with our manufacturing partner Giacomini. Giacomini Dynamic Balancing manifolds were selected for this installation, offering individual circuit control with full or partial loads, and providing the most cost-effective installation and energy efficient design. 24-volt control units were incorporated to interface with the Sero energy management system.

On the Intermediate Floors the Giacomini Underfloor Heating was laid within a Cella Mojave Acoustic Floor, with a Fibrefon HP Resilient Layer, XFLO high compressive strength routed panels, and Screedboard 20 high conductive overlay board with click edge, providing a Robust Detail acoustic installation, and all installed by Certus.

Certus also installed the Ground Floor insulation and screed and so provided the complete "Heated Floor Solution" for this prestigious project.

Project Value range	£275,000 – 325,000
Main Build Contractor	Wates Residential
Mechanical Contractor	Carter Sustainable Construction
Client	Cardiff City Council

