



Under Floor Hydronic Heating

Hydronic underfloor heating is a radiant heating system that uses warm water circulated through a network of pipes installed beneath the floor surface to heat a space. The system is typically connected to a heat source such as a boiler, heat pump, or solar thermal system, and is designed to distribute heat evenly and efficiently throughout the room.



Key Features

- Compatible with various floor types (concrete slab, screed, timber with diffusion plates).
- Provides consistent and comfortable warmth.
- Operates at lower temperatures than traditional radiators (typically 30-50°C).
- Compatible with renewable energy sources.
- Ideal for new builds or major renovations.

Types of Hydronic Underfloor Heating

- In-Slab System.
- In-Screed.
- Diffusion Plate System (or Plate System).

Applications

- Energy-efficient homes.
- Bathrooms and tiled areas.
- Whole-home heating in new builds.
- Open-plan living areas.
- Buildings aiming for low carbon emissions.