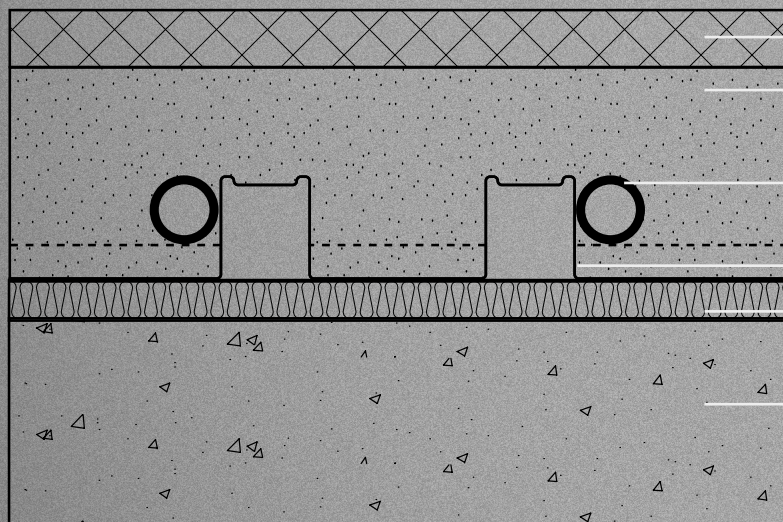
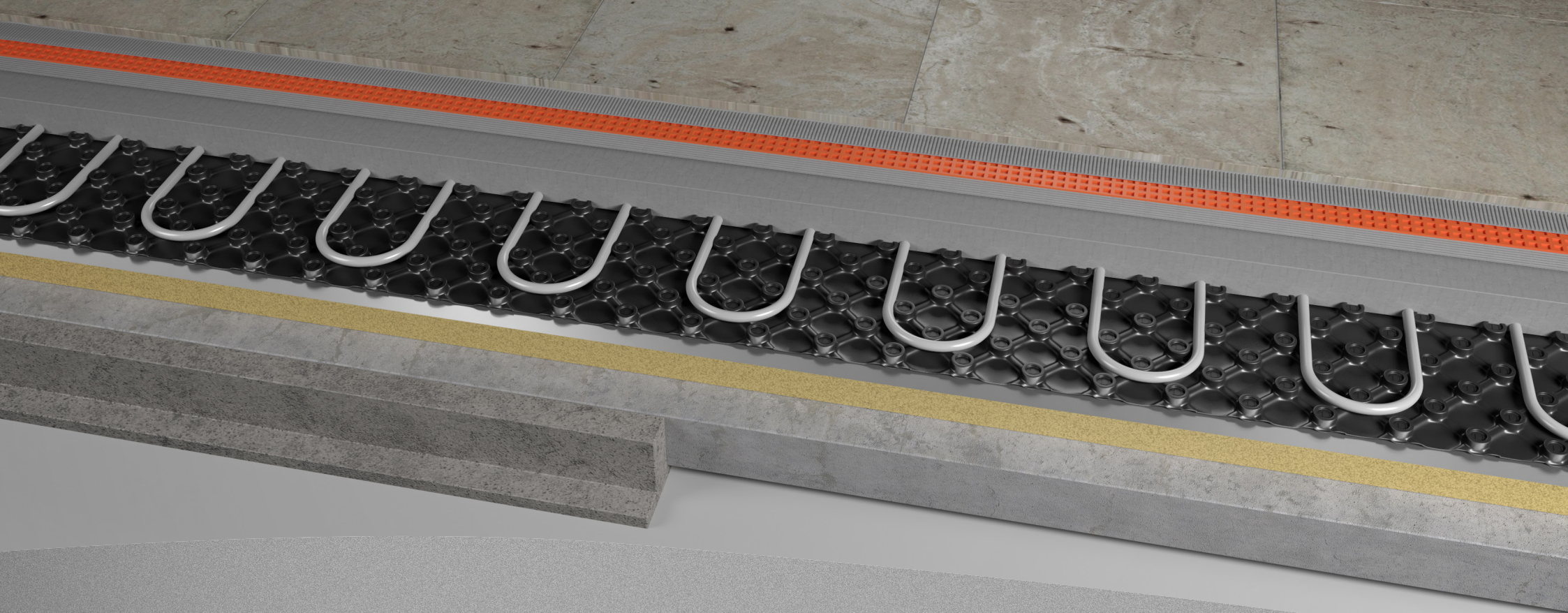




UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS



Finished floor

Screed

16mm or 12mm
oxygen barrier pipe

Castellated panel

Insulation

Subfloor

SPECIFICATION

Base™ CASTELLATED PANEL UFH SYSTEM 16mm oxygen barrier pipework to install castellated panels in accordance with pipe layout design. Sand and cement/liquid screed/levelling compound to be installed (by others)

CASTELLATED PANEL SYSTEM

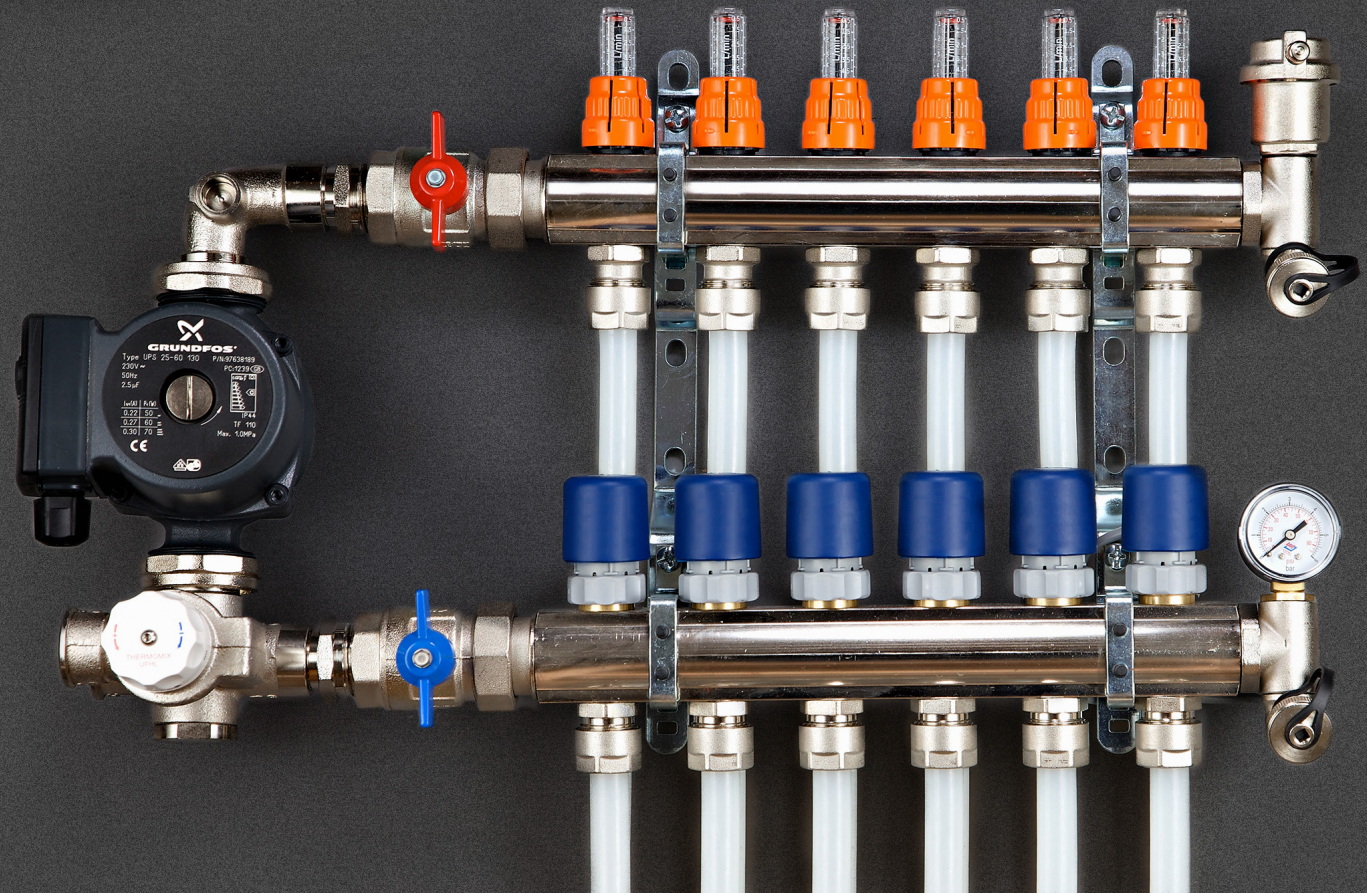
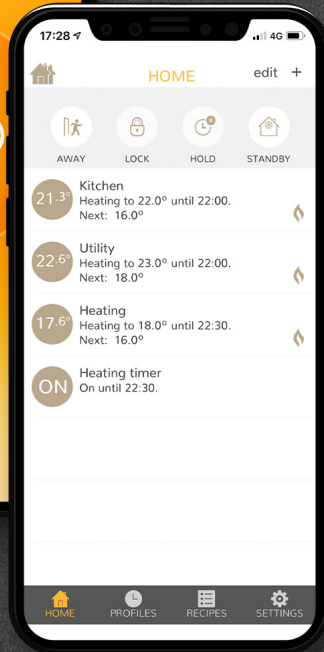
SYSTEM

- » Base™ CASTELLATED PANEL UFH SYSTEM specifically designed for use within a screeded floor construction
- » Installs directly to suitable rigid insulation panel to meet required thermal performance
- » Offers design flexibility to accommodate irregular design layouts
- » From 50mm castellated panel spacing allows flexible pipe layout to suit exact design requirements

SYSTEM INSTALL

1. Rigid insulation required to subfloor in accordance with required thermal performance and current building regulations
2. Perimeter expansion edging strip to be installed to perimeter with polymer staples ensuring polyethylene skirting is covering sub floor rigid insulation to prevent expansion of screed and thermal bridging
3. Castellated panel to be installed directly to rigid sub floor insulation
4. 16mm oxygen barrier pipe to be installed directly to castellated panel in continuous lengths from distribution manifold spaced according to underfloor heating design
5. Pipework to be pressure tested and remain under pressure
6. 65-75mm sand and cement screed / 50mm liquid screed / various levelling compound to be installed (by others)





MANIFOLDS AND CONTROLS

Base™ Oxygen Barrier Pipe

BaseUFH Oxygen Barrier pipes are high performance multilayer pipes that are both flexible and extremely resilient. Constructed from a superior cross linked polyethylene, our pipes benefit from a much higher resistance to both heat and pressure compared to other forms of oxygen barrier pipes, resulting in much greater strength and durability.

- » 100% impermeable oxygen barrier
- » Operational temperature up to 90°C
- » Retains shape for ease of installation
- » Maintenance free.
- » Meets EN ISO 15875-1:2004
EN 1264-4: 2001 standards.

SYSTEM CONTROLS

Our comprehensive range of innovative system controls offer the ultimate in both stylish, discreet design, coupled with intuitive, user friendly operation.

Our hardwired and wireless thermostats offer an extensive range of control options, to include touch-screen, wifi, networked and via mobile app (Apple and Android platforms)



MANIFOLDS

Our precision engineered Base™ Nickel plated manifold offers complete system control through the utilisation of adjustable flow gauges, mixing valve and 'A' rated pump. The distribution of low temperature warm water is precisely regulated to each individual zone of the underfloor heating system.

