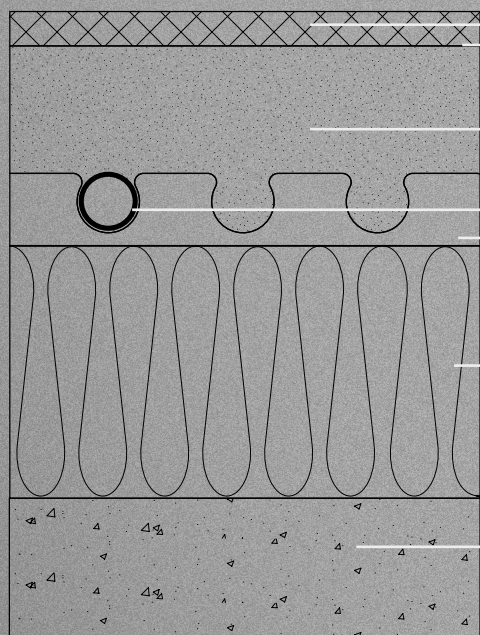
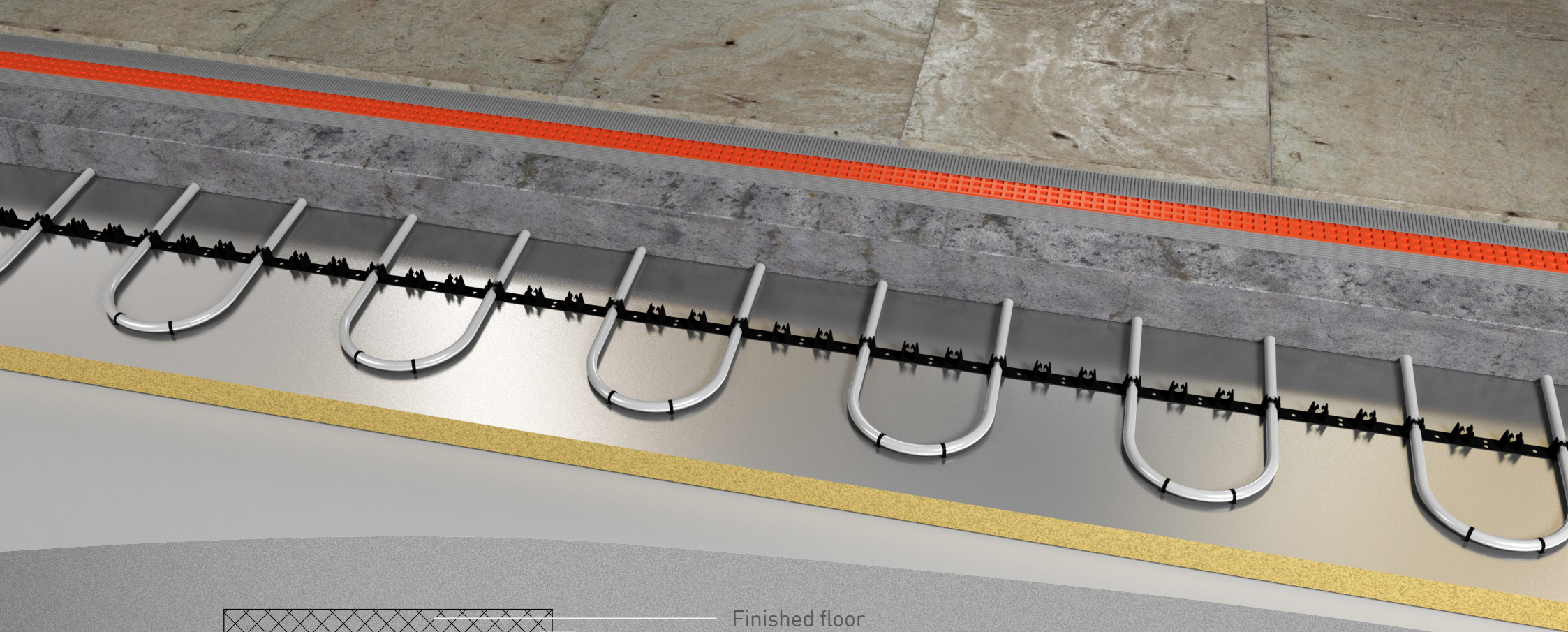




# UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS





Finished floor

Coupling membrane

Screed

Oxygen barrier pipe

Cliprail

PIR foil faced  
insulation

Subfloor

## SPECIFICATION

Base™ CLIPRAIL SYSTEM to install directly to rigid insulation using polymer clip rails and clips. 16mm oxygen barrier pipework to install to clip rails pre spaced in accordance with pipe layout design. Min 65mm sand and cement / 50mm liquid screed to be installed (by others).



# CLIPRAIL SYSTEM

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## SYSTEM

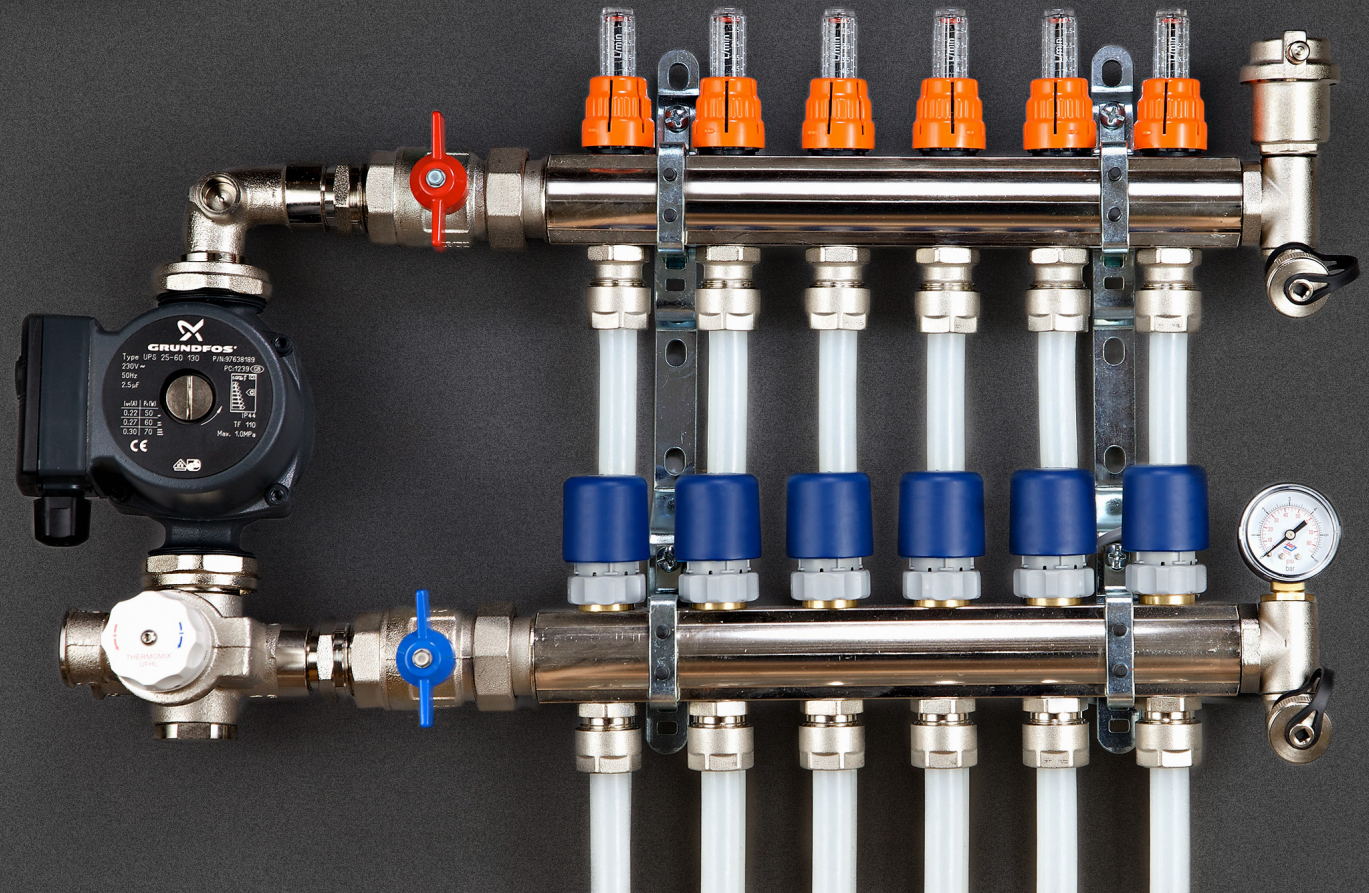
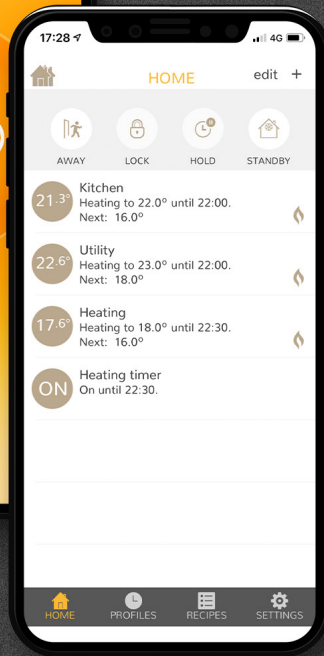
- » Base™ CLIPRAIL SYSTEM specifically designed for use within a screeded floor construction
- » Installs directly to suitable rigid insulation panel to meet required thermal performance
- » Offers design flexibility to accommodate irregular design layouts
- » From 50mm cliprail spacing allows flexible pipe layout to suit exact design requirements
- » Additional pipe staples ensures secure pipe fixing during screeding process

## SYSTEM INSTALL

1. Rigid insulation required to subfloor in accordance with required thermal performance and current building regulations (including membranes)
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. Cliprail to be installed directly to rigid sub floor insulation at 1000mm spacing fixed with polymer pipe staples
4. 16mm oxygen barrier pipe to be installed directly to cliprail in continuous lengths from distribution manifold spaced according to underfloor heating design
5. Polymer staples to be fixed to pipe at 300mm spacing
6. Pipework to be pressure tested and remain under pressure
7. 65-75mm sand and cement screed / 50mm liquid screed to be installed (by others)









# MANIFOLDS AND CONTROLS

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## 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.

