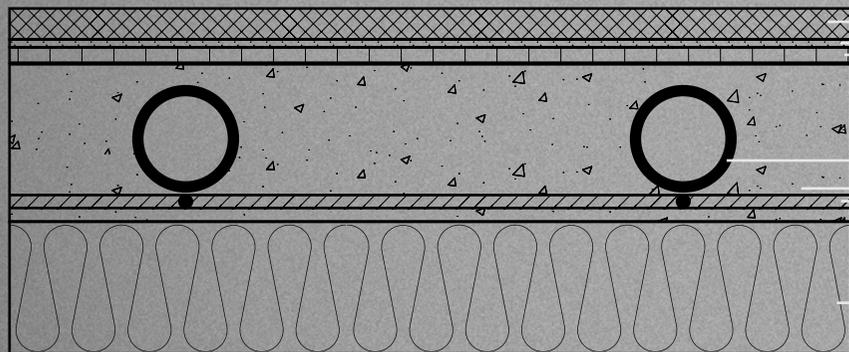
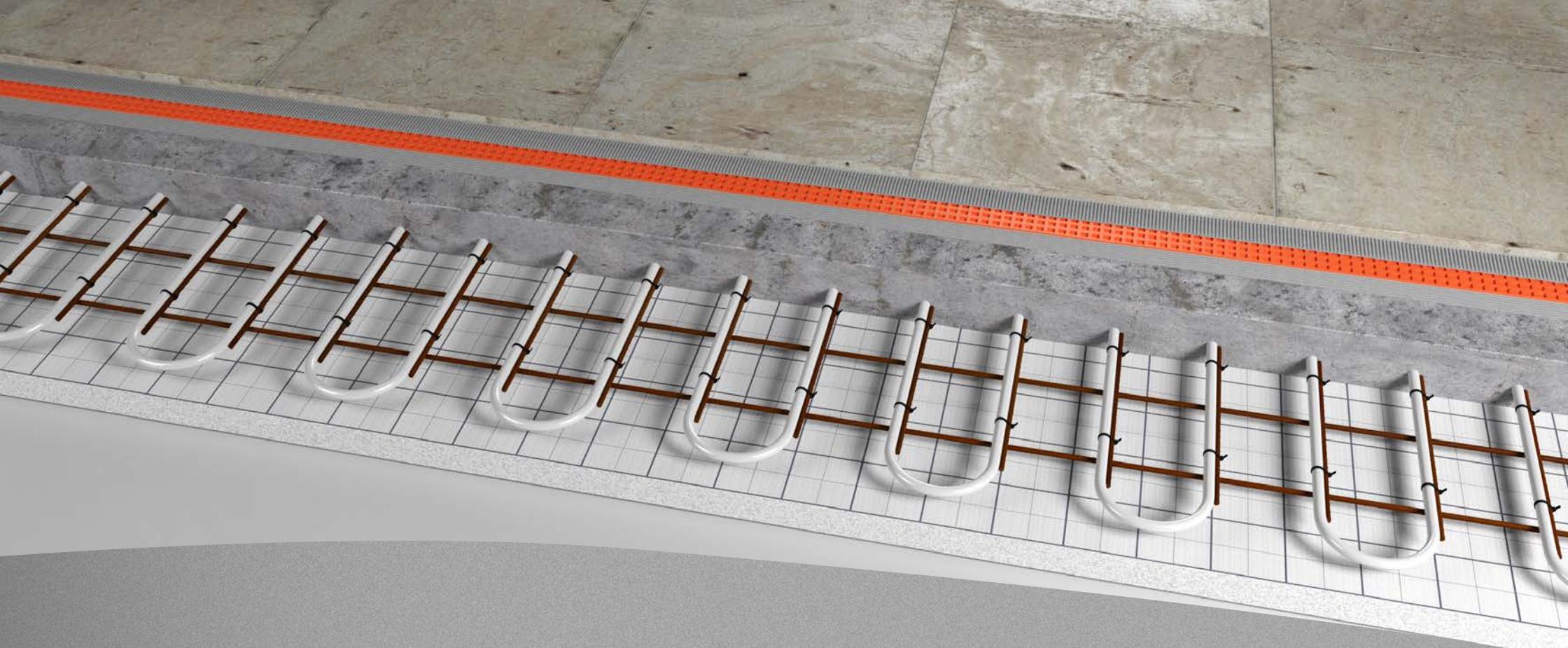




# UNDERFLOOR HEATING SYSTEMS SPECIFICATIONS



- Tiled floor
- Tile adhesive
- Ditra mat
- PEX Pipe
- Screed
- Reinforced mesh
- Insulation

## SPECIFICATION

Base™ MESH SYSTEM to install directly to reinforced steel mesh using cable tie. 16mm PEX pipework to be spaced in accordance with pipe layout design. Min 65mm sand and cement /50mm liquid screed to be installed (by others)

# MESH SYSTEM

03

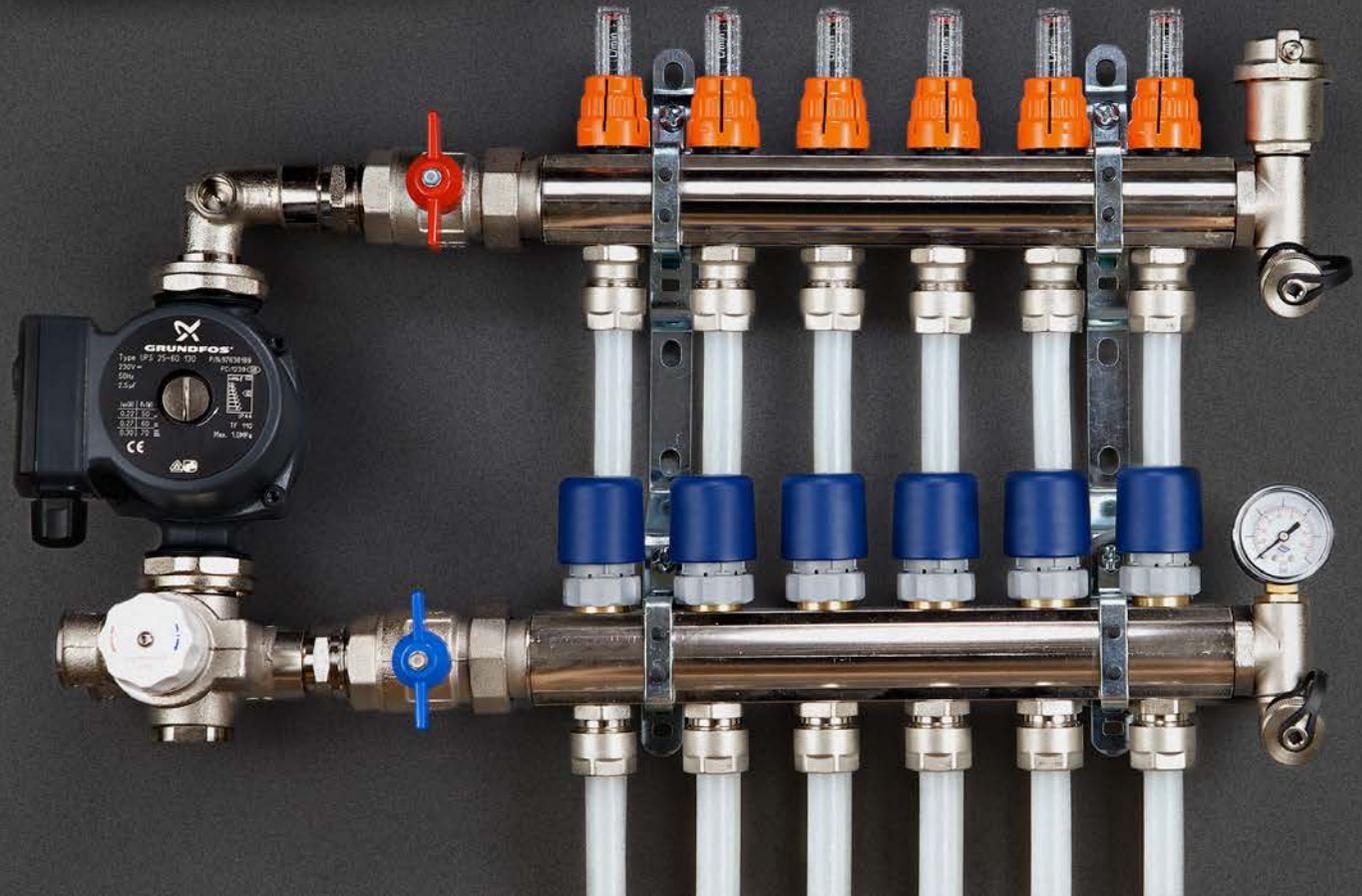
## SYSTEM

- » Base™ MESH SYSTEM specifically designed for use within a screeded floor construction
- » Re-enforced steel mesh grid to installed on top of suitable foil faced rigid insulation panel in accordance with required thermal performance (Steel mesh by others)
- » Installs directly to re-enforced steel mesh grid to suit specified thermal performance
- » Offers design flexibility to accommodate irregular design layouts
- » Cable ties allow flexible pipe layout to suit exact design requirements
- » Additional cable tie fixings ensure secure pipe fixing during screeding process
- » Cost effective system offering excellent overall performance

## SYSTEM INSTALL

1. Rigid insulation required to subfloor in accordance with required thermal performance and current building regulations
2. 8mm perimeter expansion edging strip to be installed to perimeter with 40mm polymer staples ensuring polyethylene skirting is covering sub floor rigid insulation to prevent expansion of screed and thermal bridging
3. PEX pipework to be installed directly to re-enforced steel mesh grid with cable ties in accordance with underfloor heating design
4. PEX pipe to be installed directly to re-enforced steel mesh grid in continuous lengths from distribution manifold spaced according to underfloor heating design
5. Attach additional cable ties to PEX pipework as required to ensure pipework is firmly attached to steel re-enforced grid mesh so pipework remains in place in accordance with underfloor heating design
6. Pipework to be pressure tested and remain under pressure
7. 65-75mm sand and cement screed to be installed to manufacturers specification





# MANIFOLDS AND CONTROLS

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## Base™ PEX PIPE

BaseUFH PEX-a is a high performance multilayer pipe that is both flexible and extremely resilient. Constructed from a superior cross linked polyethylene, our pipe benefits from a much higher resistance to both heat and pressure compared to other forms of PEX pipe, resulting in much greater strength and durability.

- » 100% impermeable oxygen diffusion barrier
- » Operational temperature up to 95°C
- » Retains shape for ease of installation
- » Maintenance free.
- » Meets EN ISO 15875-1:2004  
EN 1264-: 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 slimline series of thermostats offer an extensive range of control options, to include touch-screen, wireless, 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.





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