

Screeded Floors Underfloor Heating

System Plates

Overview

Product

Plastic sheets with pre-formed grips to hold 15mm Barrier pipe in position.

Application

Placement over rigid insulation panels on a solid floor slab before pipe installation and screeding.

Features and Benefits

Product

- ⦿ Moulded sheets lock together: prevents screed ingress under Plates
- ⦿ Strong enough to support on-site foot traffic or wheelbarrows before screeding

Design/Installation

- ⦿ Sheets easily trimmed to size with utility knife
- ⦿ Moulded pipe grips designed to – make regular spacing easy (in multiples of 75mm)

NOTE: 225mm centres normally offer the best balance of performance and cost.

- allow diagonal pipe placement if layout requires
- protect pipe from foot/wheel traffic before screeding

- ⦿ No measuring of pipe position needed
- ⦿ Layout flexibility to suit specific project needs
- ⦿ Independent choice of insulation panels to suit thermal and acoustic properties as required
- ⦿ Easy, fast installation

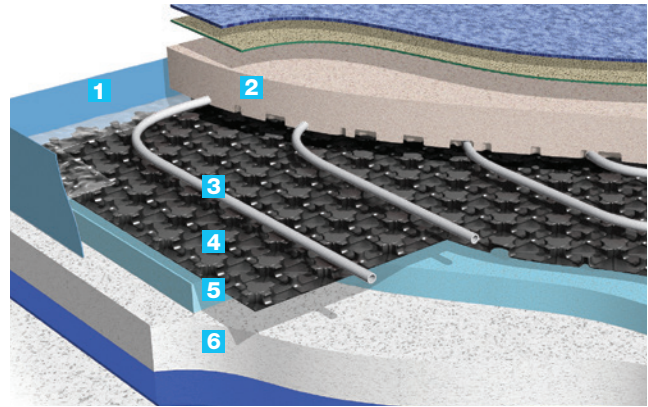
NOTE: spiral pattern recommended = more even floor surface temperature.

System Performance

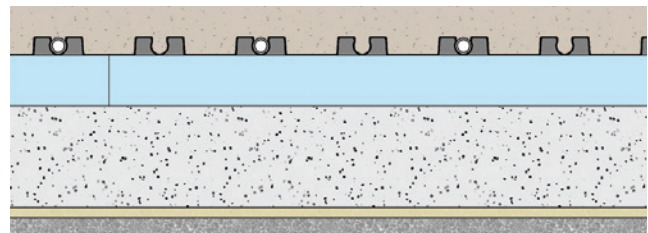
- ⦿ The supported pipe position improves screed wrap around the pipe reducing voids and increasing performance

System Construction

1. Edge expansion foam: with adhesive backing and gaiter to prevent screed ingress under Plates and insulation
2. Sand/cement or proprietary screed



Section view



3. 15mm Barrier pipe
4. System Plates
5. Insulation panels: independent choice to suit required thermal/acoustic performance
6. Level solid sub-floor

Transitional Areas

Where System Plates are not required or practical and/or where pipes need to be closely placed together (e.g. on approach to manifold): pipes may be anchored to insulation using Staples system. Where pipes need to be supported and secured for run up wall to manifold: Curved Pipe Supports and Clamps are available (see underfloor heating product guide).

Technical Information

Base Material:	Recycled Plastic
Recycled From:	Styrene-Butadiene Polystyrene
Colour:	Near Black
Volume of Castellations:	6.6l/m ² (excludes pipe)
Plate Height:	22mm
Plate Dimensions:	1275mm x 975mm
Effective Area:	1.08m ² (1200mm x 900mm)
Pipe Spacing (0°/90°):	75mm
Pipe Spacing (+/- 45°):	40/70mm (nom 55mm)