



Heat Emission Plates - FFB

Overview

The 'FFB' system is a plate system designed for joisted floors, and forms part of our 'In-Base' product range. Plates are made from aluminium for high heat conduction whilst keeping the weight to a minimum compared to steel alternatives. Designed for various joist and pipe pitches, the 16mm underfloor heating system is installed from below and mechanically fixed to the underside of the floor deck.

Application

Suitable for both new and existing buildings. Plates are stapled or screwed to the underside of an existing timber floor deck. A minimum 5mm gap to be maintained between plates for thermal expansion. Insulation, normally mineral fibre, is installed between joists and secured to maintain direct compressed contact to the underside of the plates. Joist notching and hole drilling to be carried out in accordance with the current Building Regulation and manufacturers instructions.

Nominal Thickness (excluding floor finish)

Within the timber floor construction.

Features and Benefits

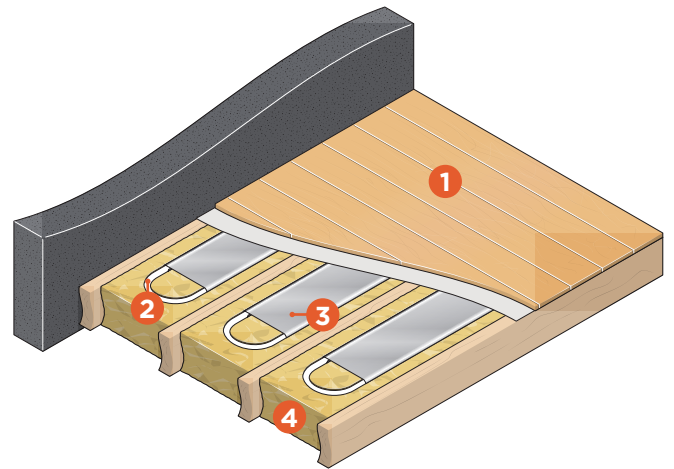
- 'In-Base' floor construction
- Lightweight
- Existing floor finish maintained
- Dry system construction
- Rapid response time

System Performance

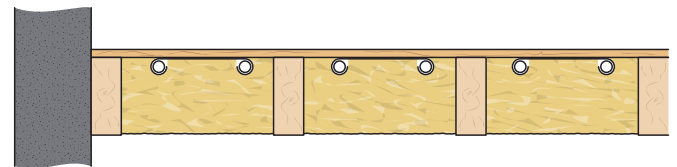
- ★★★★ Heating Output
- ★★★★ Response Time
- ★★★ Water Temperature

Options Available

- Multiple plate designs
- Pipe and joist pitch variations
- Pipe decoiler



Typical Isometric



Typical Cross-section

Typical Floor Construction

- 1 Floor covering
- 2 Underfloor heating pipe
- 3 Aluminium heat emission plate
- 4 Insulated subfloor