

Foiled Polystyrene for Timber Joist & Batten Floors

Joisted



System Construction

(For joisted floors)
Comprising:

- Timber floor deck
- 16mm UFH Pipe
- Batten/Joist Panel (insulation) with pre-fitted aluminium diffuser and polyethylene film
- Plastic 'L' Brackets
- End Panel (insulation)

Pipe Spacing

- Predetermined (200mm centres); pipe channels cut into top surface of panels

Pipe Layout

- Serpentine pattern following joist layout (see page 7)

System Overview

Insulation panels with pre-cut channels for pipe, and pre-fitted heat diffusers. For placement over timber joisted or battened floor constructions.

NB – Systems used in Joisted applications can be installed from above and below

Installation - Battened

Thermoboard Panels are used as spacers when setting out battens. Pipe is taken to an adjacent space by cutting channel/notch in batten

System Features

- Pre-fitted heat diffusers
- Pipe integrated within the insulation thickness: enables full contact with overlaid floor deck
- No reliance on heating air beneath the floor deck
- No pugging or wet trades required: no delay to laying of floor deck
- Creates floor structure with low thermal mass: fast response to changes in heating demand
- Panels can be neatly trimmed to required length using a Circular Saw Blade

Benefits

- Can be installed from above and below
- Easy, fast installation and pipe placement
- Insulation and UFH pipe base installed simultaneously
- Fixed pipe centres ensure consistency of thermal output
- Separate diffuser plates not required
- Pipe in full contact with overlying floor deck
- Polyethylene film helps acoustic performance and prevents floor ticking

Battened



System Construction

(For battened floors)
Comprising:

- Chipboard deck
- 16mm UFH Pipe
- Batten/Joist Panel (insulation) with pre-fitted aluminium diffuser and polyethylene film
- Battens
- End Panel (insulation)

Pipe Spacing

- Predetermined (200mm centres); pipe channels cut into top surface of panels

Pipe Layout

- Predetermined Serpentine pattern following joist layout (see page 7)