

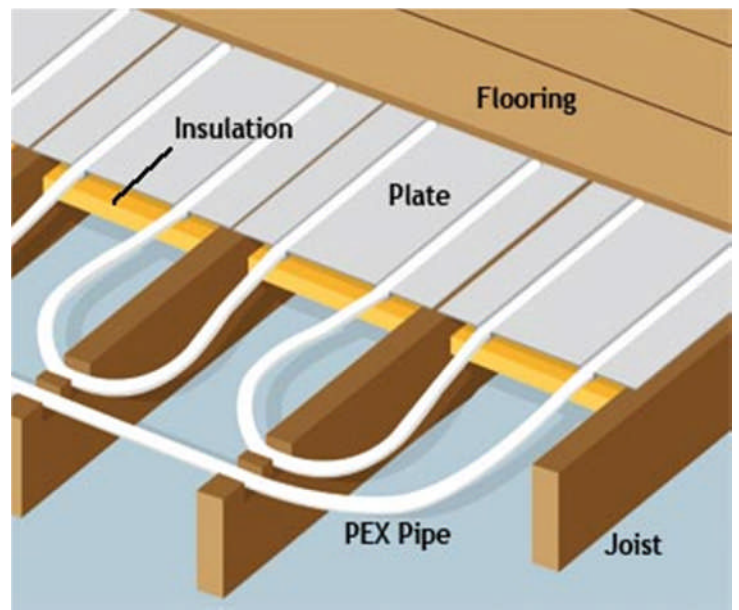
Underfloor Heating Installation Guide

Floor Constructions: Timber Joist Floor

Between Joist - Plate System

The Floor Heating Warehouse 'double plate' system fits traditional 400mm (16") joist centres. Two pipes are installed between each joist, boosting response times. The 0.5mm pressed aluminium heat diffuser plates hold two pipe channels shaped to ensure good conductivity to the plate.

The Plate system can be installed by stapling the plates directly to the joists. However, care must be taken to ensure that any notching of the joists is carried out in compliance with building regulations. The alternative Cross Battened method avoids the need to notch the joists, and also avoids fitting problems on non-standard spacings.



Cross-Battening - Plate System

Avoiding Joist Notching

We recommend using the Cross-Battened method as the preferred alternative to fitting the heat diffusion plates directly to the floor joists. This avoids the need to notch the joists, and also avoids fitting problems on any joists that are irregularly spaced.

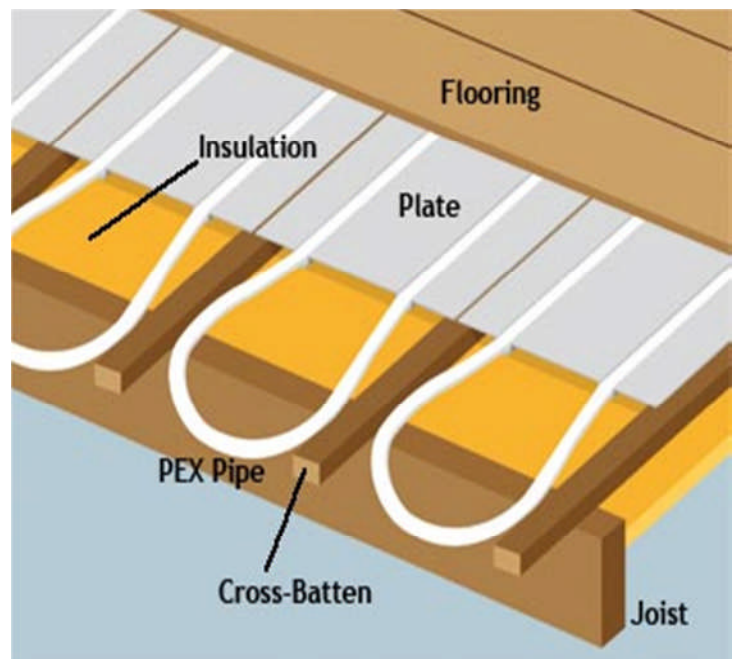
Batten Specification

Minimum batten thickness to suit the plates is 20mm. However, the thickness of batten must satisfy the structural spanning of the floor decking or covering. As with all floor heating systems, insulation is required to prevent downward transmission of heat.

Heat Diffusion Plates

The Floor Heating Warehouse 'double plates' are designed for 400mm (16") batten fixing centres. The 0.5mm press-formed aluminium heat diffuser plates hold two pipe channels at 200mm centres.

Note: For low temperature heat pump supplies, optimum heat output is achieved using the dry mix installation method.



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