

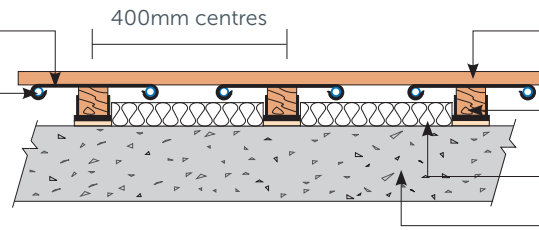
Floor installation instructions

ATAC14 – 14mm Fastflo™ with ClippaPlate™ in a resilient batten or resilient saddle system

Supplied by Nu-Heat

Nu-Heat ClippaPlate™

14mm Fastflo™ tubing



Supplied by others

18mm chipboard deck

Resilient batten or resilient saddle system conforming to *Robust Details* handbook

Mineral wool insulation

Concrete structural floor conforming to the handbook

TECHNICAL INFORMATION

Insulation

In order to offset downward heat transmission, Nu-Heat requires mineral wool to be fitted between the battens. This can be fitted either before or after installing the ClippaPlate™ and tubing. If the area below is unheated, the combined R value of the floor insulation must be at least 1.5m²K/W or comply with Part L of building regulations – whichever is greater. Additional insulation may be placed in the ceiling void. In intermediate floors above heated spaces, an R value of 0.75m²K/W is acceptable.

Resilient battens / saddle system

The system must be installed according to the manufacturer's instructions. Use a proprietary resilient strip around the perimeter of the room. This item is normally supplied by the resilient batten / saddle manufacturer.

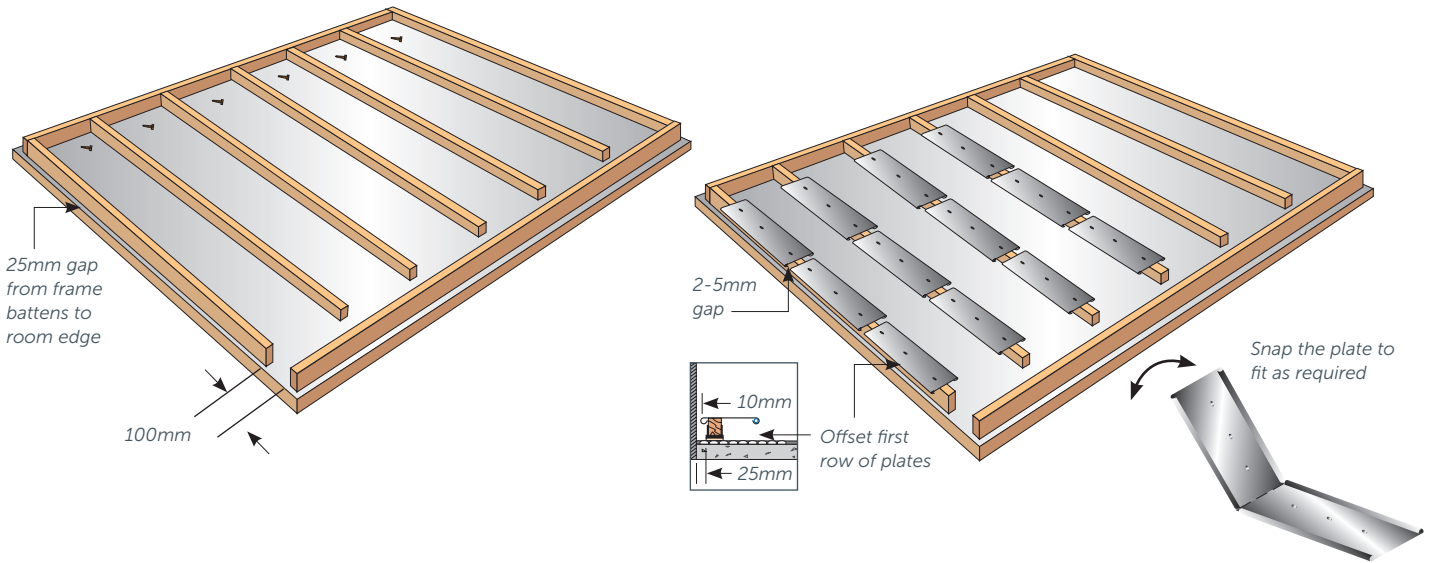
Acoustic bridging

It is important that there is no contact between any elements of the underfloor heating or deck and the structural floor. Ensure that all loose Fastflo™ pipework is either fixed to the battens using the nail clips provided, or it is seated on mineral wool. It must not contact the concrete structural floor.

Operating temperature

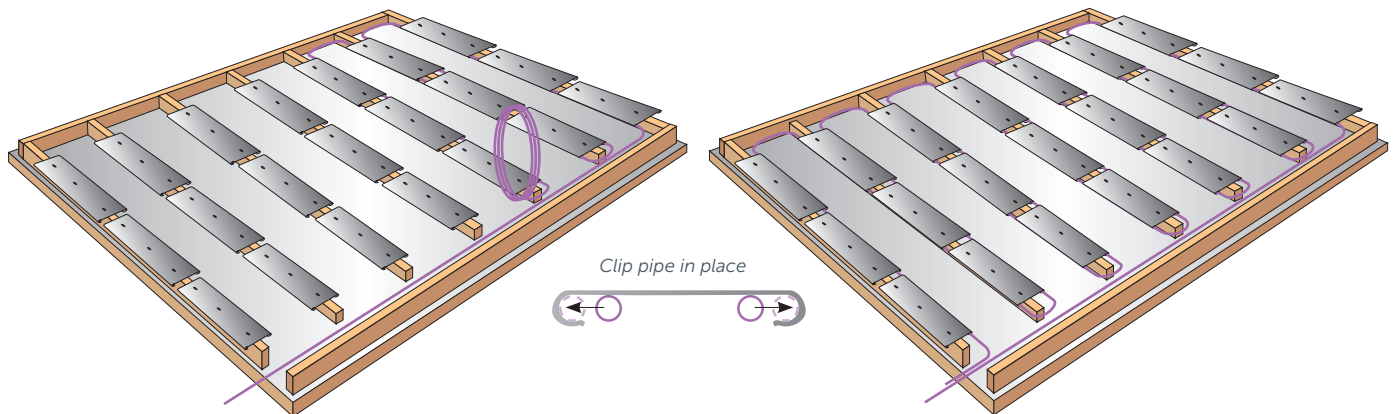
Standard entry water temperature in the underfloor heating pipes is 60°C, however this may be increased to 65°C in some situations.

SEQUENCE OF CONSTRUCTING THE FLOOR

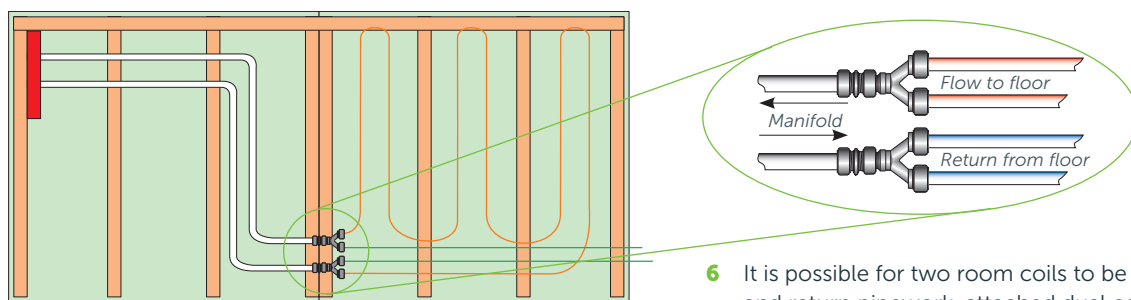


- 1** Lay resilient battens across the room at 400mm centres leaving clearances as illustrated here.
- 2** Fit mineral wool between the battens.
- 3** Ensure the ClippaPlate™ is fixed in place approximately 100mm from the end of the batten. Leave approx. 2-5mm gap between each plate. Offset the plates at the edge of the room.

SEQUENCE OF LAYING THE HEATING TUBE IN THE FLOOR



- 4** Starting at the batten farthest from the manifold, installer A holds the pipe coil and feeds a loop between the first 2 rows of plates to installer B. Installer B takes the loop to the end of the bay and clips it either side and below both rows of ClippaPlate™.
- 5** Use plastic clips to restrain pipework at the ends of the bay as required. Follow this procedure for all plated battens across the room.



- 6** It is possible for two room coils to be fed by larger bore flow and return pipework, attached dual couplings. This method can simplify installation. The two coils must be of equal length.