

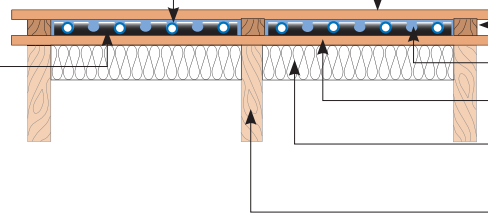
Floor installation instructions

TSB14 – 14mm Fastflo™ with screed assist in suspended timber floor between battens

Supplied by Nu-Heat

14mm Fastflo™ heating tube

Cliptrack



Supplied by others

18-22mm deck
(plus carpet/tile if applicable)

Timber battens

Biscuit screed (min. 20mm)

18 or 22mm supporting deck

100mm min. mineral wool
insulation (see note below)

Joists

TECHNICAL INFORMATION

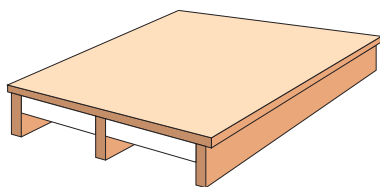
Insulation

100mm thick mineral wool should be placed into the joist void. This is a requirement of Building Regulations Part E for internal floors, to provide acoustic deadening.

For ground floors or floors over unheated areas, at least 150mm of mineral wool should be present in the void. Part L of the Building Regulations may require thicker insulation to be used. Check with your architect.

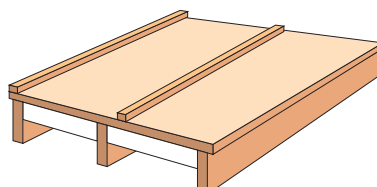
Important: Screed density varies between 1200 and 2100 Kg/m³. Joists must be correctly sized to accept the extra loading. If in doubt, please consult a structural engineer.

SEQUENCE OF LAYING THE FLOOR

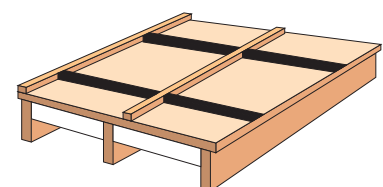


1 Push mineral wool into the gap between each joist, (see notes on insulation above).

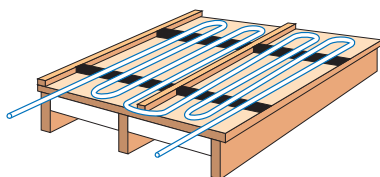
2 Lay an 18–22mm moisture resistant chipboard or ply supporting deck over the joists.



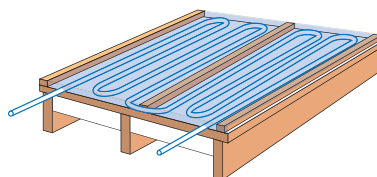
3 Fit a battens across the floor at the centres specified on the design layout.



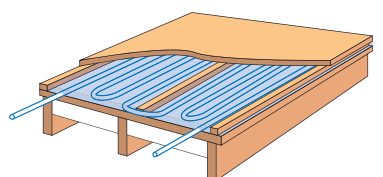
4 Fit trimmed-to-length Cliptrack between the battens at approximately 1m intervals.



5 Fit the 14mm Fastflo™ tubing as in the instructions on the following pages.

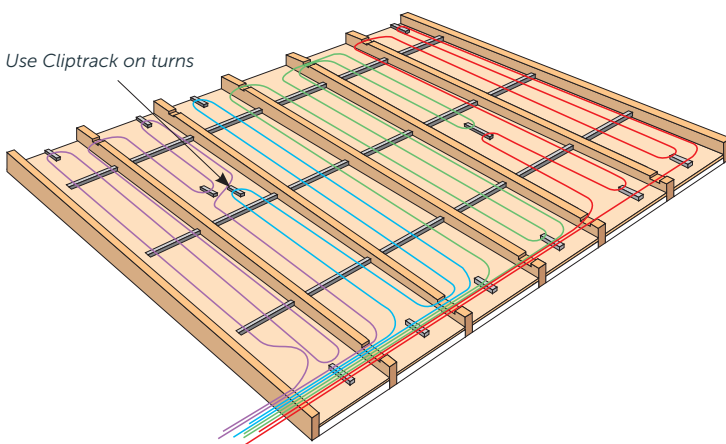
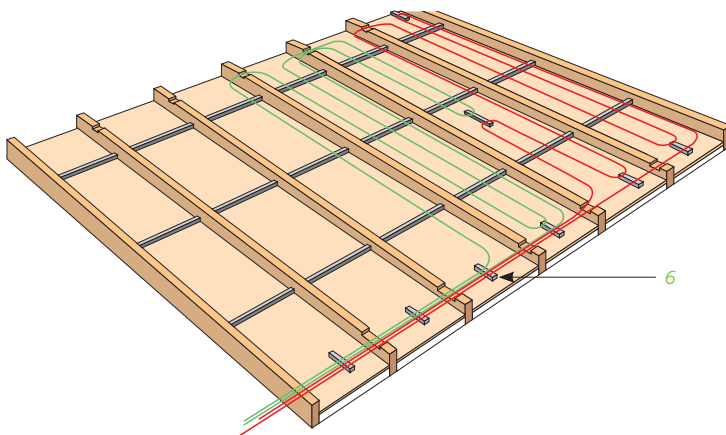
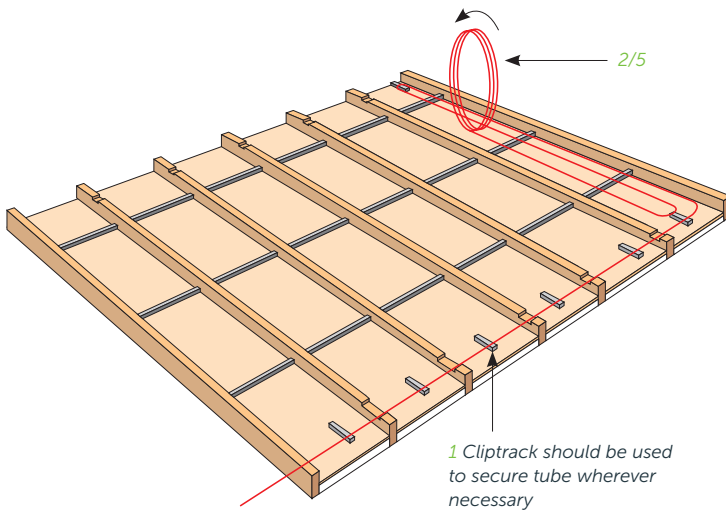


6 Apply a dry 4:1 sand and cement biscuit mix of screed between the battens. This should be allowed to dry for one week before the chipboard deck is laid.



7 Fit 18 or 22mm moisture resistant chipboard before fitting the final floor finish.

SEQUENCE OF LAYING THE HEATING TUBE IN THE FLOOR



- 1 Fill the area between the joists/ battens with Cliptrack at approx. 1m spacing.
- 2 Check the number and length of floor heating coils needed for the room on the system plans. Each coil is marked every metre with its overall length and remaining coil length ending at 0m.

Note: All tube coils within a single zone must be no more than 10% different in length.

- 3 Connect one end of the tube to the correct port on the manifold as described in the *Installation Manual* and label it clearly.
- 4 Lay the tube from the manifold to the zone on the quickest, most direct route.
- 5 On reaching the zone, start unrolling the tube pushing it into the Cliptrack as you go. Follow the layout shown on the system plans making sure to use the correct spacing as detailed.
- 6 Carry on until you judge there is enough tube left to return to the correct manifold plus any difference in supplied length and cut length. The markings on the tube can be used to help. Do not trim this excess or connect to the manifold at this stage.
- 7 If there are more coils indicated for this zone, they can now be laid in exactly the same way.
- 8 Cliptrack can be used to secure tube where necessary.
- 9 Now simply continue working across the floor and back to the manifold making sure the floor is fully and evenly covered with tube.
- 10 When the correct number and lengths of tube are laid in the floor, trim excess coil length and connect to the manifold as described in the *Installation Manual*.
- 11 Pressure test the system as described in the *Installation Manual*.