

## TSG14 – 14mm Fastflo™ in a suspended timber floor between battens with screed assist

### Supplied by Nu-Heat

14mm Fastflo™ tubing

Nu-Heat Cliptrack

### Supplied by others

Floor deck

20mm biscuit-mix sand & cement screed

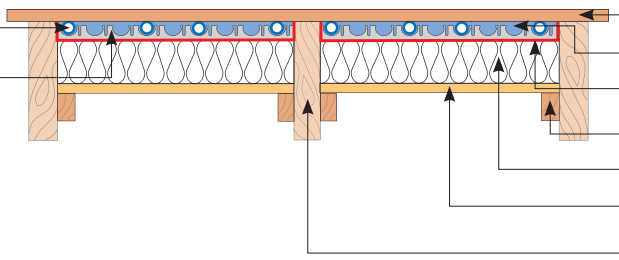
125-250 µm polythene protection layer

50x25mm timber battens

70mm(min.) rigid board insulation

12mm plywood or similar

Timber joist



### FLOOR HEATING TUBE

Nu-Heat's 14mm Fastflo™ tubing is extremely flexible which means that it can easily be installed around the numerous turns typical to any design. The use of multiple, shorter Fastflo™ coils within each temperature control zone means the tubing is installed at closer centres to ensure a more even heat distribution.

### INSULATION

For ground floors or floors over unheated areas, at least 70mm of rigid 'Celotex' type insulation should be present in the void. Part L of the Building Regulations may require thicker insulation to be used; check with your architect.

### FLOOR STRUCTURE

Screed density varies between 1200 and 2100 kg/m<sup>3</sup>.  
Joists must be correctly sized to accept the extra loading.  
If in doubt, please consult a structural engineer.

### FLOOR COVERINGS

Tiles, stone and thin laminates offer benefits such as improved response time and higher heat output. Carpets can be used but the Tog value when combined with performance underlay should be no greater than 2.5. If the system is powered by a heat pump greater restrictions apply. Natural timber with a low moisture content can be used, but care must be taken to properly acclimatise the wood by following manufacturers' instructions.

### WARRANTIES/INSURANCE

**Manufacturer's warranty:** all UFH tube supplied by Nu-Heat is covered by a 50-year warranty, the first 10 years of which are insurance-backed.

**Product liability:** Nu-Heat maintains product liability insurance to £5 million.

**Professional indemnity:** As Nu-Heat's design service is integral to the operational effectiveness of the UFH system, the company holds professional indemnity insurance of £5 million to cover all aspects of our consultation and design services.

