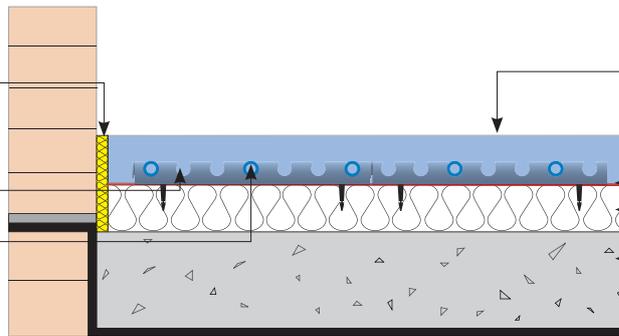


## SC14 – 14mm Fastflo™ in screed with Cliptrack

### Supplied by Nu-Heat

Edge isolation strip  
Nu-Heat cliptrack with self-adhesive backing  
14mm Fastflo™ tubing



### Supplied by others

Screed  
125–250µm polythene protection layer  
Insulation  
Concrete slab

### 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, suitable even for low temperature heat sources such as heat pumps.

### INSULATION

In ground floors the insulation beneath the screed should be 70mm 'Celotex' or equivalent, or conform to Part L of the Building Regulations; whichever is greater.

In upper floors insulation should be to a minimum of 30mm 'Celotex' or equivalent to prevent downward heat transmission. Apart from the edge insulation for the perimeter, which is supplied by Nu-Heat, these materials and the polythene protection layer are standard and are most economically sourced from local builders' merchants.

**Note:** The edge isolation strip supplied by Nu-Heat should be fitted around all walls as an expansion medium. This should be the full depth of the floor insulation and screed. On external walls additional insulation material will be required to comply with Building Regulations.

### FLOOR STRUCTURE

Standard 65mm deep sand and cement screed is applied over the Fastflo™ tubing. If a reduced depth of screed is required, pumped liquid screed may be used down to a thickness of 50mm – please be advised that extra Cliptrack is required for this method and additional costs will be incurred. Please contact your Nu-Heat Project Manager for further details.

### EXPANSION JOINTS

Expansion joints must be incorporated in areas over 40m<sup>2</sup>, or with length greater than 8m and across doorways and other changes of section. Where tube passes across expansion joints it must be covered with sleeving for at least 200mm either side.

### 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.

