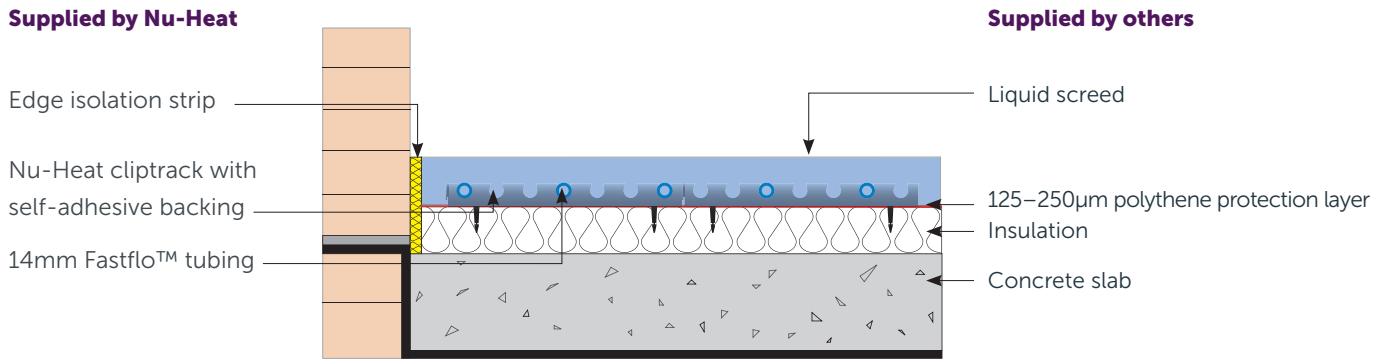
Nu-Heat
Feel the difference

Information sheet

SL14 – 14mm Fastflo™ in liquid screed with Cliptrack



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 isolation strip 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

Liquid screeds are typically 50mm thick but may vary. Please refer to your screed supplier. It is important that the screed as is as dense and consistent as possible to aid heat transfer. Care must be taken to seal the polythene protection layer and edge insulation layers to prevent the flowing screed from seeping through and floating the insulation. Overlap and tape the slip layer and polythene apron of the edge insulation.

EXPANSION JOINTS

Expansion joints must be incorporated in areas over 40m^2, 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.