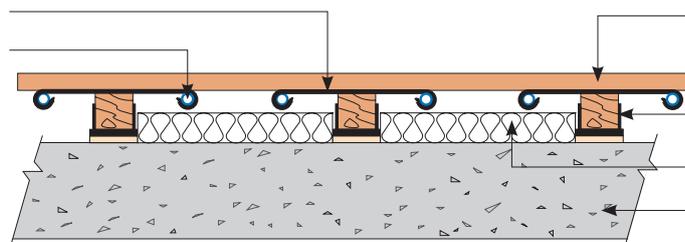


## ATAC14 – 14mm Fastflo™ with Clippaplate™ installed in a resilient batten or resilient saddle system

### 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 Robust Details handbook

### 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 (e.g. heat pumps).

### 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 1.5m<sup>2</sup>K/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 0.75m<sup>2</sup>K/W is acceptable.

### 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.

### 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.

[www.nu-heat.co.uk/floorspecs](http://www.nu-heat.co.uk/floorspecs)

### 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.

### 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 when care is 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.

