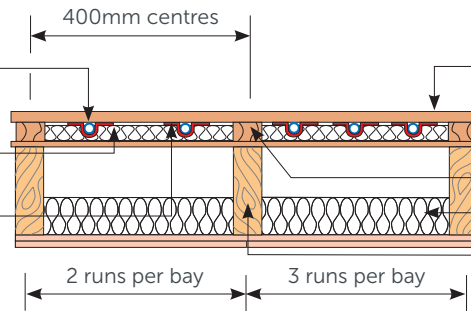


## DPBL14 – 14mm Fastflo™ in low-profile diffuser panels installed between battens

### Supplied by Nu-Heat

14mm Fastflo™ tubing  
Nu-Heat TriPanel –  
25mm EHD polystyrene  
Heat transfer plates



### Supplied by others

Floor deck (see below)  
Sub-deck  
2"x1" supporting battens fixed to sub-deck  
Floor insulation  
Floor joists

### 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, 60mm Celotex (or thicker according to Building Regulations), or other equivalent insulation should be present between the joists.

Timber upper floors should contain a minimum of 100mm mineral wool insulation between the joists to satisfy both Part L and Part E (sound transmission) of the Building Regulations.

### FLOOR DECK

Laminate floors between 20 and 30mm thick may be laid on up to 3mm thick non-felt underlay directly onto the underfloor heating. Areas to be tiled should be covered with a 22mm tongue-and-groove chipboard deck. For other areas 18 – 22mm chipboard deck may be used. The overall thickness of the deck should not exceed 30mm unless this has been agreed with a Nu-Heat Design Engineer.

### FLOOR COVERINGS

Tiles, stone and thin laminates offer benefits such as improved response time and higher heat output. A quality flexible adhesive should be used for fixing the tiles and a decoupling membrane is strongly recommended. 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.

