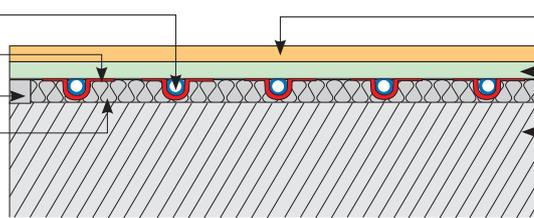


## LoPro® Lite – 10mm Fastflo® in low-profile diffuser panels for floating floors

### Supplied by Nu-Heat

Fastflo-10® tubing  
Diffuser plate  
LoPro® Lite edge strip  
Nu-Heat 15mm moulded LoPro® Lite EPS panel



### Supplied by others

Floor covering  
18/22mm chipboard or 12mm Nu-Heat Coverboard\*  
Floor structure (Concrete or timber deck)

\* See notes below. Coverboard can be supplied by Nu-Heat on request.

### FLOOR HEATING TUBE

Nu-Heat's 10mm 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.

### NU-HEAT LOPRO® LITE PANELS

Nu-Heat LoPro® Lite is a high-density, pre-moulded and versatile product that is supplied in two variants:

- a A combined straights and turns panel for use mainly in rooms. The panel can be used for straight runs or orientated to make use of the multi-turns end where multiple pipes need to run along the edge of a room at close spacing.
- b A versatile, very high density EPS castellated panel that is used on run-back to the manifold, to change pipe direction and where pipes are closely spaced through doors, etc. Panel can be snapped off to suit requirements.

### SUB-FLOOR

If the floor is to be tiled, it's important that the underlying sub-floor is flat and level to at least SR2 standard (5mm deviation over 2 metres) so that deflection is minimised.

### INSULATION

Additional insulation may be required to meet current Building Regulations. There is no restriction on the depth of insulation installed below the panel but in all cases it must have a compressive strength of 140kPa or higher. Suitable products include PIR/PUR (polyurethane) boards such as Kingspan and Celotex. XPS (extruded polystyrene) boards including Polyfoam; Styrofoam and Yelofoam are also suitable. Expanded polystyrene is not suitable.

### FLOOR COVERINGS

Vinyl should be fitted on an intermediate deck of 18 or 22mm chipboard or 12mm Nu-Heat Coverboard.

An intermediate deck and use of a de-coupling membrane are recommended when fitting tiles and stone.

Carpets can be used if the Tog value is no greater than 2.5 when combined with underlay – if the system is powered by a heat pump the property's heat losses should be taken into account.

Engineered timber and laminates over 14mm can be fitted directly on top of LoPro® Lite or on an intermediate deck. Take care to properly acclimatise the wood according to manufacturer 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.

