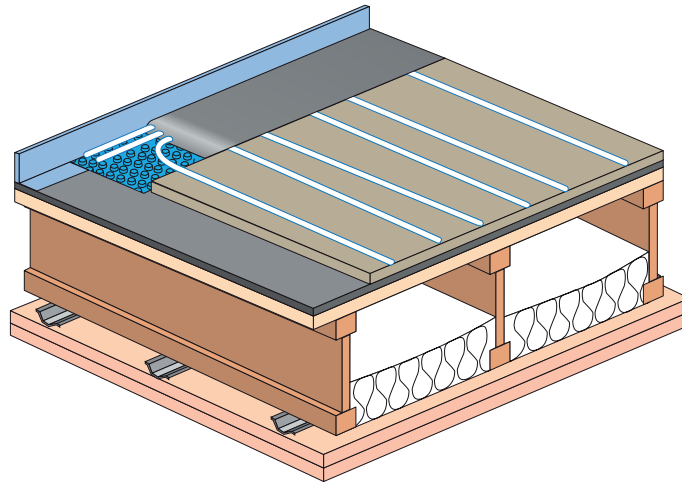


ALPRT10 – 10mm Fastflo™ in pre-routed LoPro™10 panel in an acoustic floor over suspended timber joists



ALPRT10

- Ideal for use in flats, apartments, renovation projects and commercial conversions
- Can assist in exceeding Part E requirements when correctly installed as part of an acoustic floor cassette
- Acoustic and thermal mass incorporated with the unique 15mm panel
- Enhanced thermal conductivity and 150mm pipe centres offer increased heat output and thermal spread across the floor finish
- Quick and easy to install – a unique approach that separates trades and can reduce overall length of site programme
- Improved acoustic performance and full design indemnity
- Ideal substrate for all floor finishes, including tile and stone
- Sustainable – LoPro™10 panel has up to 50% recycled content.

For site-specific K11 floor cassette detail please contact Nu-Heat.

TECHNICAL SPECIFICATION

Typical ALPRT10 acoustic data

| | |
|----------|------------------|
| Airborne | 62–63dB R_w |
| Impact | 56–59dB L_n, w |

Typically achieved on system illustrated.

LoPro™10 panel

| | |
|------------|------------------------------------|
| Weight | 16.7kg/m ² |
| Density | 1100kg/m ³ min. |
| Standards | Manufactured to BS EN 15283-2:2008 |
| Material | Gypsum fibre board |
| Dimensions | 1200 x 600 x 15mm |
| Area | 0.72m ² per board |
| Routing | ø10mm @ 150mm centres |

HEAT OUTPUT

(m² °K/W)

| Water temp | R = 0.05 (tile) | R = 0.1 (timber) | R = 0.2 (carpet) |
|---------------------------|------------------------|-----------------------|---------------------|
| 45 °C flow (40 ° average) | 74 W/m ² | 56 W/m ² | 36 W/m ² |
| 55 °C flow (50 ° average) | 100 W/m ² * | 75 W/m ² * | 54 W/m ² |

Nominal value; output values vary depending on specific floor finish.

*Limited by floor covering surface temperature limit.

www.nu-heat.co.uk/floorspecs

Acoustic performance data is taken from tests carried out at the Sound Research Laboratories, Sudbury, in accordance with the relevant BS EN ISO standards. Laboratory performances stated are specific to the above system only, inclusive of all elements shown and correct installation and should be used for guidance only.

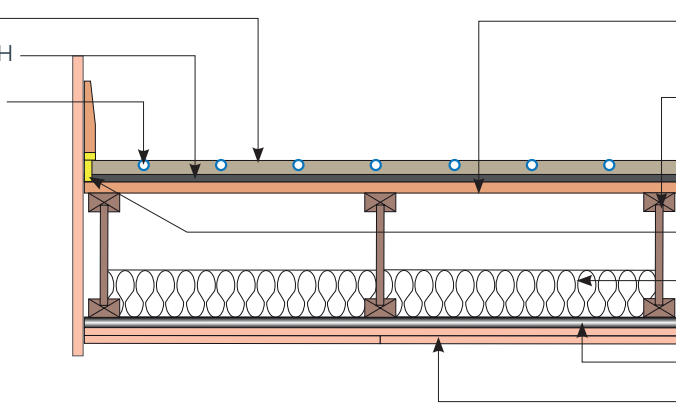
The information contained in this publication is believed to be current and accurate as at the date of publication but no warranty, express or implied is given. Updates will not be issued automatically.

Supplied by Nu-Heat

15mm LoPro™10 panel
 5mm IsoRubber-UFH-NH
 10mm Fastflo™ tubing
 Castellated panel/
 QuickSet self-levelling
 compound/
 Edge isolation strip
 (not illustrated)

Supplied by others

Structural OSB floor deck
 Floor joists
 Knauf perimeter flanking strip
 Min. 100mm Knauf mineral wool
 insulation
 Resilient bar
 Knauf plasterboard
 Ceiling structure to meet
 acoustic/fire criteria as required

**DESCRIPTION**

LoPro™10 is a pre-routed 15mm gypsum panel that can be laid over new and existing floors. A castellated tray is fitted around the edge of the room to enable Fastflo™10 pipe to be conveniently fed into the panel and back to the manifold or zone distributor. The castellated tray is designed to guide the pipe through 180° bends and to enable multiple runs to be neatly and securely fixed.

FLOOR HEATING TUBE

Typically, a room or heating zone will use several coils of 10mm Fastflo™ pipe, each of shorter length than a single coil of larger diameter, providing a more even spread of warmth across the floor. Fastflo's flexibility also aids installation.

INSULATION

Minimum 100mm mineral wool insulation should be incorporated into the joist void. This will improve acoustic performance and should be of sufficient depth to meet the requirements of Part L of the Building Regulations.

UNDERFLOOR HEATING EFFICIENCY

Setting the room thermostat 1–2 °C lower achieves the same comfort levels as with an equivalent radiator system because the heat is mostly radiant, meaning air convection currents are minimised and heat loss by natural ventilation reduced. LoPro™10 is a perfect partner for modern gas, oil and LPG condensing boilers.

FLOOR STRUCTURE

Individual LoPro™10 panels are laid in brick-bond format over a 5mm layer of IsoRubber-UFH-NH. A castellated tray is used to carry pipe to the manifolds (the 5mm IsoRubber should be glued to the deck in these areas). Once all floor heating pipe is installed the castellated tray is filled with the self-levelling compound supplied.

Virtually any covering can be applied over LoPro™10, but using thermally conductive coverings ensures greater heat output and faster warm up times.

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.

www.nu-heat.co.uk/floorspecs



Online
www.nu-heat.co.uk



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