

LoPro™Max – 10mm Fastflo™ in castellated panel with self-levelling compound

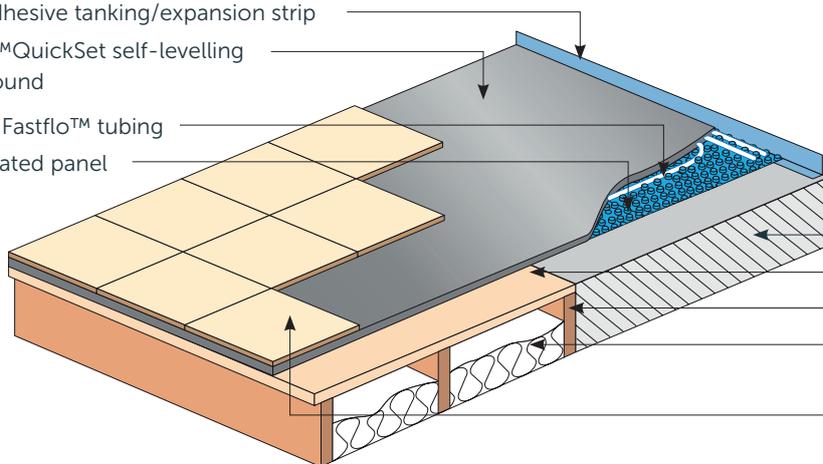
Nu-Heat's high performance retrofit underfloor heating solution

Supplied by Nu-Heat

Self-adhesive tanking/expansion strip
LoPro™QuickSet self-levelling compound
10mm Fastflo™ tubing
Castellated panel

Supplied by others

Concrete slab
Structural floor deck
Joists
Existing/retrofitted insulation (suspended timber floors)
Final floor finish: tiles, stone, carpet, vinyl or engineered timber



DESCRIPTION

LoPro™Max can be laid over new and existing floors. It consists of a castellated panel designed to securely hold 10mm Fastflo™ floor heating tube in place which is covered with a specialist self-levelling compound. The castellated panel enables pipe to be conveniently routed back to the manifold or zone distributor and is designed to guide the pipe through 180° bends and to enable multiple runs to be neatly and securely fixed. LoPro™Max gives just 22mm height increase over the existing floor level (+/-2.5mm).

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 aids installation.

INSULATION

Inclusion of insulation within the floor increases overall system efficiency.

Suspended timber ground floors: In order to limit downward heat transmission, insulation should be installed where practicable; it is often possible to retrofit insulation such as 'space blanket' between joists.

Concrete ground floors: Concrete sub-floors provide a much better thermal barrier to downward heat loss than suspended

timber. Therefore, in a retrofit project, there is no economic justification to remove and replace the existing floor unless damp or structural failure are present. The LoPro™Max underfloor heating will still perform effectively and efficiently.

UNDERFLOOR HEATING EFFICIENCY

The high thermal efficiency of LoPro™Max means warm-up times are similar to those of a radiator system and, because the heat is mainly radiant, air convection currents are minimised and heat loss by natural ventilation is reduced. LoPro™Max is a perfect partner for modern gas, oil and LPG condensing boilers.

FLOOR STRUCTURE – RETROFIT & NEW-BUILD

LoPro™Max can be installed over concrete and timber floors with ease. Individual castellated panels are laid in brick-bond format and secured to the sub-floor with the self-adhesive backing. Specialist LoPro™QuickSet self-levelling compound is supplied as part of the LoPro™Max package.

Where possible existing floors should be levelled prior to fitting LoPro™Max but the self-levelling compound supplied will compensate for minor irregularities. For more uneven floor surfaces further bags of LoPro™QuickSet self-levelling compound can be purchased from Nu-Heat.

Virtually any covering (except natural timber) can be applied over LoPro™Max, but using less thermally resistive coverings ensures greater heat output and faster warm up times.

LoPro™Max

For more information and to see a short installation video visit www.nu-heat.co.uk/installLPM