LoPro™10 – 10mm Fastflo™ in pre-routed LoPro™10 panel

Supplied by Nu-Heat

Castellated panel/LoPro™QuickSet self-levelling compound

15mm pre-routed LoPro™10

10mm Fastflo™ tubing
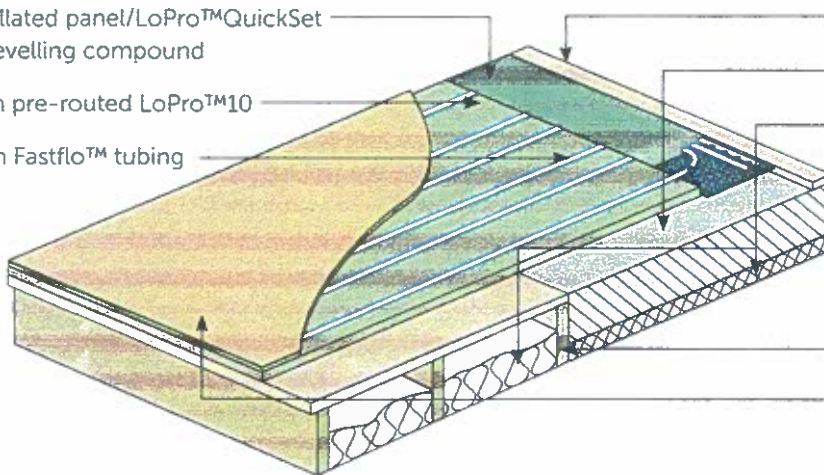
Supplied by others

Edge batten

Existing concrete slab

Existing/optional insulation

Existing joists

Final floor finish: tiles, stone, carpet, vinyl or engineered timber

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 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 aids installation.

INSULATION

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. Inclusion of insulation within the floor increases overall system efficiency, especially on suspended timber ground floors.

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

LoPro™10 can be installed over concrete and timber floors with ease. Individual panels are laid in brick-bond format, with glued butt joints. LoPro™10 can either be floated (unfixed) or screwed to the existing floor layer, depending on the nature of the final floor finish. A castellated tray is used to carry pipe to the manifolds. 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 less thermally resistive coverings ensures greater heat output and faster warm up times. See the LoPro™10 Specification Guide for more details.

LoPro™10