FACT SHEET

TradeUnderfloor

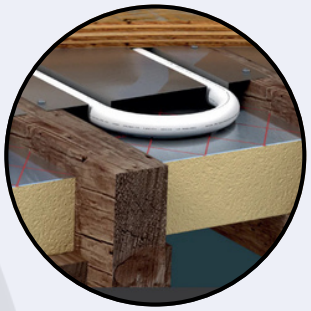
OVER JOIST UFH FLOOR SYSTEMS

RetroTherm® Joist Plate

Best for: New builds or renovations where floor boards have been removed.

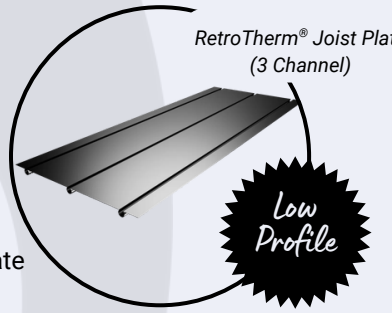
A heat spreader plate system, designed for suspended timber subfloors with joists spaced at 400mm centres. Plates are fixed directly to floor joists and pipes sit in pre-moulded channels.

Total System Build-up Height before Floor Coverings: 0.5mm (plus structural floor)
Pipe Size: 16mm
Pipe Spacings: 133mm
Joist Plate Panel Size: 1000 x 390 x 0.5mm
Joist Plate Panel: High grade aluminium (screw or nail fixings)
Pipe Recommendation: 16mm PE-RT AL PE-RT Pipe



Benefits:

- System does not raise normal floor level as spreader plates sit down between the joists with standard 22mm ply/chipboard structural floor sitting on joists
- Fit from above panel is simple to cut and fix to joists, using screws or nails
- Panels moulded at standard 133mm spacings, to suit both boiler and low temperature heat sources (non standard options are available)
- No need for pipe fixings - pipe securely clips into the grooves of the spreader plate



RetroTherm® Joist Plate (3 Channel)

Considerations:

- Not suitable for some floor coverings such as carpet as the placement of a 22mm structural ply/chipboard floor over the reduces heat transmission.
- Insulation must be installed under the Joist Plates to minimise downward heat loss.
- Ensure installation instructions are followed and gaps are left between plates - touching plates will cause noise to occur when heating up or cooling down.
- As aluminium sheets are thin, panels are fragile so take care when handling on site.
- A suitable metal cutting tool is required for cutting panels to size in some areas.
- In open plan living areas, it is best practice not to mix underfloor heating floor system types. Overlays are ideal for extended living areas where new build floor can be brought up to level and overlay system can be installed throughout.

PLEASE NOTE: *Non-standard panel options are available. Please contact us to discuss your specific requirements.*