FACT SHEET

TradeUnderfloor

OVER JOIST UFH FLOOR SYSTEMS

RetroTherm® Joist Deck

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

A complete floor system, with routed channels for pipes, which is fixed directly to floor joists. A cement board overlay must be installed over for structural integrity, with minimum height build-up and maximum heat transfer.

Total System Build-up Height before Floor Coverings: 28mm
Pipe Size: 16mm
Pipe Spacings: 150mm
Joist Deck Panel Sizes: 2400 or 1200 length x 600 x 22mm
Cement Overlay Panel Size: 1200 x 900 x 6mm (screw fixings)
Joist Deck Panel: Chipboard with aluminium foil-face (screw & adhesive fixings)
Pipe Recommendation: 16mm PE-RT EVOH 5 Layer Pipe

RetroTherm® Joist Deck (Tongue & Groove)

RetroTherm® Cement Overlay (Supplied Printed or Plain)

Benefits:

- Total floor system in one, pipes are incorporated into chipboard panels with a foil face for optimum heat transfer
- Panels routed at standard 150mm spacings, to suit both boiler and low temperature heat sources (non standard options are available)
- When cement overlay panels are used, the system gives an extremely low height build-up of just 6mm over standard floor board level
- No need for pipe fixings - pipe is pushed into place securely without the need for clips. Aluminium foil lines the pipe channel to help radiate heat across the face

Considerations:

- A panel topper must be used to add structural integrity back into the floor. We recommend using a cement overlay panel which has a lower 6mm profile and aids heat transfer. Supplied printed with pipe channels printed or plain.
- Joist deck panels are heavy, in particular the larger 2400mm panels, and usually require two people to unload and manoeuvre.
- See the install guide for how to approach and plan your install. Pipes run from the manifold, underneath the boards until they reach their desired position and are taken up onto the face of the boards. This requires careful planning.
- 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.*