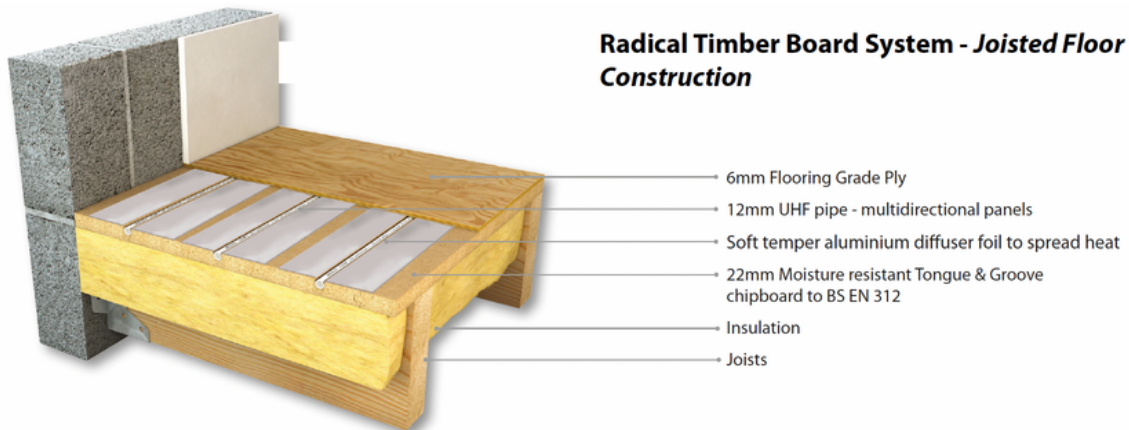


As part of our range of low floor build-up solutions, we have developed the Radical Lite system, incorporating the insulation and underfloor heating pipework set in 18mm, 20mm, or 25mm standard heights. This is an excellent solution in cases where the floor buildup depth is limited – commonly found on refurbishment projects where floor-to-ceiling heights are fixed. The Radical Lite system can be used in existing and new build applications. It requires a flat and level solid subfloor for the insulation to fully support the floor finish on top. The insulation is pre-grooved to take either 12mm or 16mm underfloor heating pipework and overlaid with foil to assist the distribution of heat.

The installation involves covering the complete floor area with liteboard. The pipework is then laid into the grooves as per the installation drawings and taken back to the manifold to complete the circuit. The installation is completed once the manifold has been pressure tested and signed off by a site representative. The system is then overlaid with a fully floating floor deck onto which your floor finish is applied. In the case of wooden floors, this can be laid directly onto the insulation to minimize height buildup and maximize the heating output. We can manufacture any depth of liteboard to any combination of pipe requirements, so please ask for details if you have specific requirements outside of our standard sizes.



The Radical Timber Board System is another development of our overlay range, which is designed to provide a structural flooring solution that incorporates a 12mm underfloor heating pipe. A 6mm ply is required to be fixed down over high-grade chipboard. This protects the top of the pipe and provides extra floor strength. Floor finishes can be installed directly on top of this to complete the floor buildup.

Grooved chipboard panels are laid at 90 degrees to the direction of the joists and all joints should be glued and screwed. The 12mm pipe is installed in the normal fashion with tail pipes running beneath the chipboard to minimize additional channels being routed in the chipboard. The pipes terminate at the underfloor heating manifold where the system is pressure tested and signed off by a site representative.