



Surface Heating & Cooling Specialists

FLOATING FLOOR SYSTEMS

LOW BUILD-UP FLOATING FLOOR SYSTEM

The Thermal Surfaces low build-up floating floor system is ideally suited to modern buildings and building refurbishment projects due to it only having a depth of 22mm. It is lightweight and reduces the weight burden on the structural frame of the building. Floating floor systems are normally lower in cost and quicker to install than alternative floor constructions. The Thermal Surfaces low build-up system uses a 22mm depth high-density grooved insulation board with incorporated aluminium heat diffusion plates that can have certain floor finishes such as tongue and grooved hardwood flooring applied directly over it. The system should be covered with a polythene slip membrane before it is covered with flooring. This is important as it allows the pipes and the flooring to slide on the polythene slip membrane when the pipes and flooring above expand and contract and prevent the noise normally associated with floating floor underfloor heating systems. Typically Thermal Surfaces low build-up floating floor underfloor heating systems can give outputs up to 70 Watts/m² with chipboard/plywood flooring above. This will be dependent on flow water temperature to the underfloor heating pipe-work and the floor finish type.

A timber support batten should be installed in door thresholds as required normally on a floating floor system without underfloor heating.

Once the underfloor heating pipe-work has been installed, it is pressure tested to ensure it is mechanically sound before it is covered up. The flooring is then installed to the recommendations of the flooring installer/manufacturer.

TYPICAL FLOOR SECTION LOW BUILD-UP FLOATING FLOOR SYSTEM

