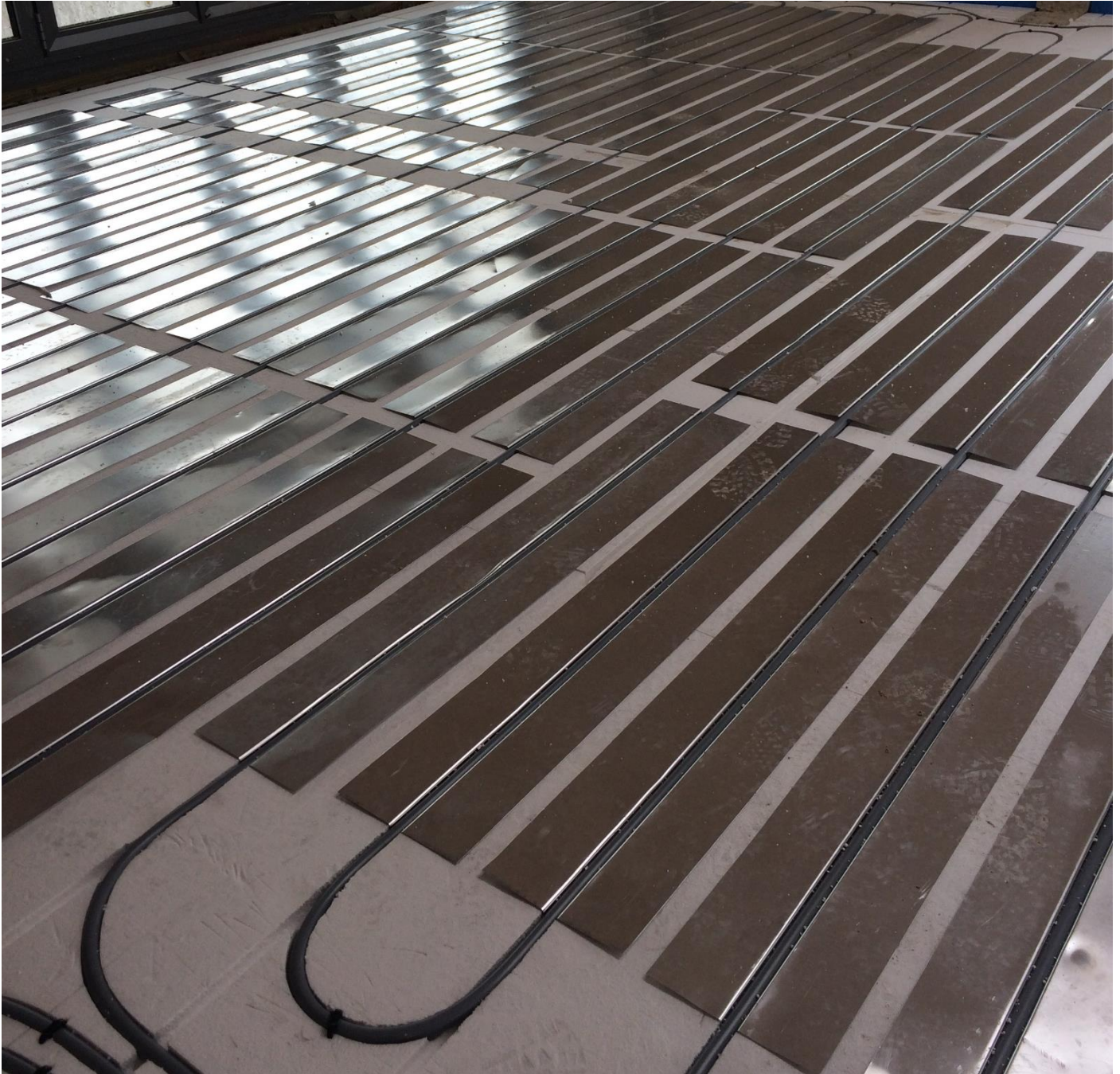




Surface Heating & Cooling Specialists

FLOATING FLOOR SYSTEMS

STANDARD FLOATING FLOOR SYSTEM





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Floating floor systems are ideally suited to modern building requirements because they are lightweight and reduce the weight burden on the structural frame of the building. They are also normally lower in cost and quicker to install than alternative floor constructions. Our standard system has a minimum insulation board depth of 35mm and uses an EPS200 expanded polystyrene insulation board with incorporated aluminium diffusion plates to evenly dissipate heat and conduct heat through to the surface of the floor. 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. The 200kpa high compressive strength of our standard insulation board makes it more versatile to accept high implied loads on the floor and to accept heavy floor finishes. Typically Thermal Surfaces floating floor underfloor heating systems can give outputs up to 70 Watts/m² with chipboard/plywood flooring above. Alternatively if a dry cement board is applied over the floating floor underfloor heating system a higher heat output of up to 105 Watts/m² can be achieved. 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 STANDARD FLOATING FLOOR SYSTEM

