Heat Output of Royden Foil

Warm up of timber floor finishes over **Royden** underfloor heating will depend on their thickness, the substrate they are laid on, and the installation value of both floor, walls and ceilings. On a well insulated floor you can expect the floor to feel warm after approximately half an hour.

On an uninsulated concrete floor, this initial warm up time will obviously be substantially longer, due to heat loss into the substrate. Advice should be taken as to whether additional insulation is required.

If **Royden** covers 80% of the room floor area it will be effective as a primary heatsource, (bearing in mind possible heat-loss prevention methods may need to be used).

Royden supplies 150w/m^2 which is equivalent to 470Btu/hour/square foot or 5123Btu/hour/m^2. When using this conversion to compare with radiators, the inefficiency factor of domestic systems should be taken into account. **Royden** gently provides just where needed, all the energy paid for.

Recommended average floor surface temperature should be approximately 28°C.