

Installation of LM flooring on underfloor heating

Follow the installation instructions that are included in each pack. This instruction leaflet deals specifically with installations on under floor heating systems.

Demands for installation on under floor heating:

- The underfloor heating system must have a heat distribution layer that provides a very even temperature across the entire floor area, in order to avoid hot spots.
- The entire living area must be heated.
- It must be possible to control and limit the surface temperature accurately.
- The surface temperature of the floor must never exceed 27°C. This applies next to and above the pipes to radiators, over pipe runs and under rugs, furniture etc.
- A vapour barrier must be included in the floor construction and it should lie as near to the wood floor as possible. In most cases this means that it will be installed between the sound reducing underlay and the surface of the concrete.

The wood floor must lie tight against the sub-floor without air gaps that can cause substantial drying of the wood. It is therefore essential that particular care is taken to ensure that the subfloor is flat in accordance with the general installation instructions.

Choice of wood floor

One of the big advantages with multilayer parquet is that they do not move as much as solid wood floors. This becomes obvious on underfloor heating where the increased dryness (because of the higher temperature) creates greater shrinkage than for floors without underfloor heating. Multilayer floors of Beech and Hard Maple expand and contract more than other species. Underfloor heating results in greater drying and this can cause additional shrinkage. In dry cold climates, such as Scandinavia, gaps can appear between strips and between boards.

Installation

When installing, the room and boards must be heated to at least 18°C. The Relative humidity must be less than 60 % before, during and after the installation.

Note that the demand on expansion gaps in doorways increases when a floor is installed on underfloor heating.

Heat conductivity in K*m/W

LM-Flooring 14,5 mm

0.146



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