



PANAGET

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Laying on a floor with underfloor heating

Some wood floors are not compatible with underfloor heating. As the information given in our catalogues is subject to change, please ask your retailer for advice. You will find all key technical information in these few pages, or in the User guide attached to parquet packaging. We strongly recommend that you use Panaget fittings and accessories. They are specially adapted to our parquet flooring, and are guaranteed to be of high quality.

Underfloor heating requires some special precautions (complete details are given in our catalogue and in the official DTU):



- the thickness of the screed over the heating pipes must be at least 30 mm and conform to DTU 65-6, 65-7, 65-8.
- the maximum humidity is 1.5%
- the floor temperature is a maximum of 26/27°C (once wood floor is laid)
- the natural drying-out of the sub-floor must be finished off with a pre-heating period of at least 3 weeks before the floor is laid, whatever the time of year.
- pre-heat the room in which the floor is to be laid, then turn off the heating 48 hours prior to laying.
- turn heating back on 3 days after laying, raising the temperature in daily 5°C stages until the correct temperature is reached.
- Whatever the thickness of the wood floor, where possible use the "full" glueing method, with a "non-water based" adhesive on the sub-floor without an underlay.

Underfloor heating and cooling :



Some Panaget parquets can, under certain conditions, be laid on floors with a heating and cooling system.

To maintain the prime condition of the engineered wooded flooring, it is recommended to adhere to the following general rules:

- the parquet should be fully glued using Presto PM.
- have a maximum parquet heat resistance of 0.09 W/m²°C. NB: placing a thick carpet on top of an electrical system may mean this limit is exceeded, causing problems with the engineered wood flooring.
- ensure a maximum humidity level of 1.5% for the coating, or 0.5% for a liquid coating and/or anhydrite.
- natural drying of the base, on which the flooring is laid, needs to be supplemented by pre-warming lasting at least three weeks before the flooring is laid.

- turn off the heating 48 hours before laying the parquet flooring.
 - turn the heating back on seven days after laying, increasing the temperature by 5°C each day, until the right temperature is reached.
 - use the right glue for the parquet flooring (Presto PM)
 - a gap may appear between parquet strips during extended periods of heating. These gaps will gradually close after the heating has been turned off.
- Dry bases (ACOME's VIVRACOME processes, for example)
- lay the floating flooring directly on the PE/aluminium underlayer or by fully gluing the parquet directly onto the cellulose fibre board with Presto PM glue.
 - the system must allow an even distribution of heat over the entire surface.
 - fluid temperature must be set by a system of automatic sensors to prevent condensation from forming on the flooring.
 - the heat output must not exceed 100W/m².
 - individual summer adjustment settings for room thermostats will not fall below 24 °C. The cooling system will only be able to come on if the ambient temperature is at or below 24 °C.
 - particular attention should be paid to sensitive wood species such as jatoba, beech and maple.
 - the circuit must have a device that limits the starting temperature of the fluid to 18 to 22 °C, depending on the geographic area.

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