



INSTALLATION ON UNDERFLOOR HEATING/COOLING

Compatibility Bamboo flooring and underfloor heating

The nature of the fibers and cellulose of bamboo gives it a great resistance and a good thermal conductivity ($R=0.0072K/w$) making it compatible with underfloor heating or cooling (subject to reserve - see manufacturer's data sheets). The 3-ply crossed manufacturing increases the stability of the floor.

A floor adapted to underfloor heating

Most BamboeTouch® floors can be combined with conventional underfloor heating systems, i.e. 'dry' or 'wet' underfloor heating, and always at low temperatures (maximum 27°C). For compatibility by product, please refer to our website or technical data sheets. BamboeTouch® floors are manufactured and delivered with a moisture content of between 6 and 9.5%. It is recommended to proceed with the installation at a temperature of 18-21°C and a humidity of 40 to 65%. The use of a thermometer and a hygrometer is strongly recommended.

Despite this, underfloor heating will cause your floor to dry out more than under normal conditions. This could lead to the appearance of gaps or cracks or even tiling. To reduce this risk as much as possible, make sure to maintain an ambient humidity level between 40 and 65%

Installation on a heated floor: golden rules

For bamboo, as for any other wood species, it is important to take into account certain rules, both before and during the installation of the floor, and afterwards, during the final use.

1. **The screed** is a key element for the successful combination of a parquet floor and underfloor heating. It must be dry, i.e. have a moisture content of **maximum 2.2%** for conventional screeds. It is advisable to ask for a carbide test at several points in the room before installing the floor.

2. **The natural drying** of the floor must be completed by switching on the heating. Please refer to the heating manufacturer's instructions. It is extremely important that the bamboo floor can acclimatize for **3 to 7 days** in the usual conditions of the room where it will be installed, assuming that the room meets the standards of the installation/life.
3. **The installation** will be performed with a glue adapted to the floor heating parquet.
4. **Expert:** We strongly recommend using a parquet installer who is familiar with the rules for installing a parquet floor over underfloor heating. These rules must be clearly communicated to the end user. Because improper use will result in damage to the floor, and the installer will be held responsible.
5. **Humidity:** The humidity level of the rooms with a parquet floor installed on underfloor heating must be maintained between 40 and 65 % in order to limit the drying out of the floor. A humidifier is sometimes recommended.

Installation on a cooling floor: golden rules

The same rules as for installation on underfloor heating apply with an additional constraint: installation is only possible if the cooling floor is equipped with an **anti-condensation device**.

Additional recommendations:

- The installation of a carpet may affect the surface temperature (heat accumulation) and cause gaps between planks, small cracks or even tiling.
- Depending on the parquet finish, please refer to the maintenance instructions available on our website.
- Even if all the above recommendations are followed, each site is a particular case with its own local conditions and some of them may escape the manufacturer. In case of doubt, contact your local BamboeTouch® dealer.

