

VOLUNTA PARKET - SUBFLOOR HEATING

Volunta Parket engineered hardwood floors are compatible with subfloor heating under certain conditions, which are mentioned below.

1. GENERAL INFORMATION

- A subfloor heating system is a “slow” system. It takes longer for a room reach the right temperature and also for the heat to leave the room again.
- Room temperature and humidity should be maintained at a constant level, ideally between 18°C and 22°C (71.6°F) with a relative humidity, between 40% - 60% prior to, during and for the whole life of the wood flooring.
- The heating pattern of the occupants is very important; the more stable the better this is. Too much heat causes the wood to dry out and shrink. Rapid and major fluctuations in temperature can damage the floor.
- The final responsibility for the installation lies with the installer. The installer must be trained and knowledgeable with flooring installations.

2. HEATING UP BEFORE INSTALLATION OF THE FLOOR

- The concrete screed should be at least 42 days old.
- Set the temperature on 20°C on the first day of use and then raise it by 5°C every day.
- Make sure that the supply water temperature does not exceed 45°C.
- Maintain the maximum temperature for at least 24 hours per centimeter of floor thickness.
- Lowering the water temperature should also be in increments of 5°C every 24 hours until a water temperature of 20°C has been reached.
- The entire heating process takes 14 days.
- Ensure good ventilation during this period to allow moisture to escape.
- After the process check the cement screed for residual moisture.
- Maximum moisture in cement screed is 1,8% (or 3,0% if a liquid moisture barrier is used).
- Maximum moisture in anhydrite floor is 0,3%.
- Both during and after the installation, a humidity level of between 40% and 60% is required.
- We recommend to acclimatize the wood flooring for at least 72 hours prior the installation in the room where the wood is to be fitted. Acclimatizing is used to balance the wood flooring with the environment it is going to be used in.

3. HEATING UP AFTER INSTALLATION OF THE FLOOR

- During installation, the temperature of the cement screed must be between 15°C and 18°C.
- Maintain this temperature for at least 5 days before and after installation. This is important to acclimatize and strengthen the wood and glue used for installation.
- After these 5 days, the temperature can slowly be raised (1°C or 2°C per day) until the desired, or maximum permissible temperature is reached.
- The maximum contact temperature of the cement screed is 28°C.
- The contact temperature is the temperature of the surface of the cement screed, measured 3 heating days after setting the temperature.

4. HEATING DURING THE SEASON

- Raise the temperature very gradually at the start of the heating season. Max 1 or 2°C per day.
- Lower the temperature very gradually at the end of the heating season. Max 1 or 2°C per day.
- To keep the floor as stable as possible, do not create any difference in day and night temperature.
- After the installation, a humidity level of between 40 and 60% is required. Use a humidifier/dehumidifier to maintain a constant humidity level in rooms, especially with seasonal changes.
- The maximum allowable heat output is 55 W/m² and must be evenly distributed over the entire surface of the floor. Surface temperatures must not exceed 27°C in all places.