

Installation of Baseco wood flooring on underfloor heating

Before you start laying a Baseco floor, there are a few things you should know. All our wooden floors can be laid on top of underfloor heating. Solid floors are screwed to the substrate, while click-lock parquet floors are laid floating.

Do not open the packaging on the flooring bundles until it is time to lay the floor. The flooring should be stored in unopened packaging for about 48 hours in the same room to reach the right temperature. According to industry regulations, the humidity (RH) in the room should be between 30–60% at 20°C to prevent any damage.

Always use an age-resistant vapour barrier when laying on top of underfloor heating. Wooden joists, spaced boarding, wooden boards, etc., should have a maximum moisture content of 9.5%. The floors are normally laid at right angles to the underfloor heating coils. Take care when using the underfloor heating (increase gradually) for the first three weeks, as the wood needs time to adapt to the underfloor heating. Shrinkage cracks may be slightly larger during the part of the year when the premises are heated. The temperature of the wooden floor should not exceed 27°C, including under mats or other items that may cover the floor. In the case of electric underfloor heating systems, the maximum is 60 W/m².

When screwing into concrete, the coils should be at the bottom on the ground insulation, below approximately 100 mm of concrete. Do not screw into the concrete if the underfloor heating coils are installed on the reinforcement mat in the middle of the concrete. The person installing the floor is responsible for ensuring that the underfloor heating system is not damaged.

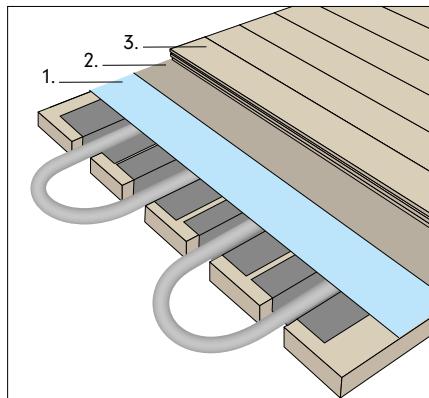
When using protective covering on the floor during ongoing work, do not apply tape directly to the floor.

Follow the installation instructions below, and good luck with your project!

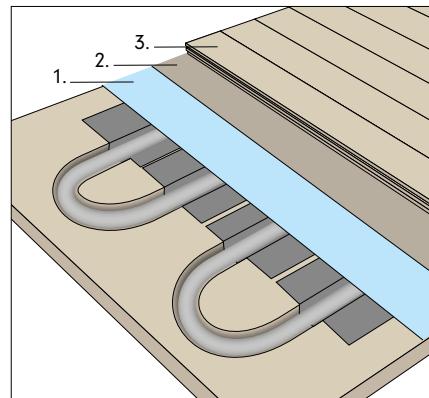
UNDERFLOOR HEATING COILS IN GROOVED CHIPBOARD OR SPACED BOARDING

Solid wood floor with a thickness of 20–30 mm is laid on spaced boarding or grooved chipboard, at right angles to the underfloor heating's coils. A 14 mm thick wooden floor can also be installed on grooved chipboard, provided it is installed at right angles to the underfloor heating's coils.

1. First, put 0.2 mm age-resistant plastic sheeting, overlapping by 20 cm, and tape the join with age-resistant sealing tape.
2. Then put the grey paper edge to edge, taping the join. Mark the location of the underfloor heating coils on the floor paper to avoid damage (screwing is performed into the chipboard between the coils).
3. The floor is installed at right angles to the underfloor heating's coils. Solid wood flooring is screwed into spaced boarding/chipboard at c/c 400 between the screws. Take care not to screw into the heating coils. Use Baseco's screws and follow our installation instructions, which you can find [here](#).
4. 15 mm parquet flooring with the click-lock system is laid floating without being screwed into place. Follow our installation instructions [here](#).



Underfloor heating coils in spaced boarding.



Underfloor heating coils in grooved chipboard.

UNDERFLOOR HEATING COILS EMBEDDED IN CONCRETE

Installing parquet flooring

15 mm parquet flooring with the click-lock system is laid floating without being screwed into place.

1. On the concrete floor, first lay 0.2 mm age-resistant plastic sheeting, overlapping by 20 cm, and tape the join with age-resistant sealing tape.
2. Then lay grey underlay paper edge to edge, taping the join.
3. Then install the parquet floor in accordance with our installation instructions [here](#).

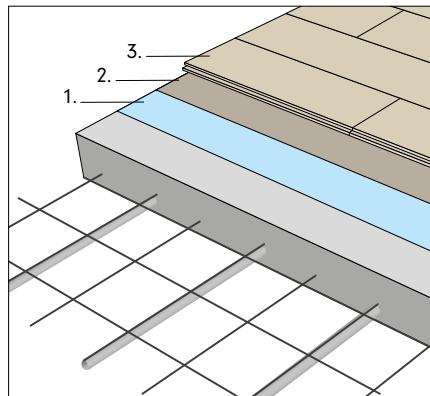
Installing solid wood flooring

The underfloor heating coils are normally located at the bottom, against the insulation under the concrete, where the concrete is at least 10 cm thick. 20–30 mm solid wood floors can be screwed directly into the concrete in this case. Be sure to check how deeply the hoses are installed – Baseco's screws pass 30 mm down into the concrete.

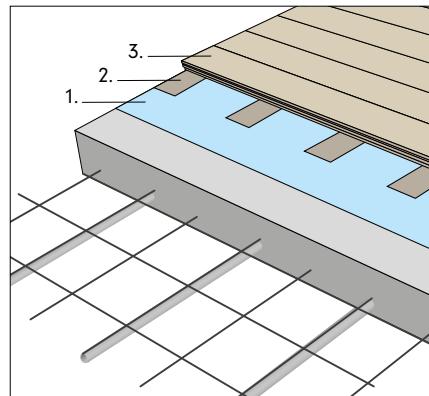
Note: If the underfloor heating coils are installed higher up in the slab, you cannot screw the flooring into the concrete. The person installing the floor is responsible for ensuring that embedded installations are not damaged.

1. On the concrete floor, first lay 0.2 mm age-resistant plastic sheeting, overlapping by 20 cm, and tape the join with age-resistant sealing tape.
2. Next, place Baseco's rubber strips beneath the flooring: at c/c 300 for 20 mm floors and c/c 600 for 25/30 mm floors.
3. Then follow Baseco's installation instructions [here](#).

Note: Test the quality of the concrete first! Screw a small test piece into the concrete. Break off the board with a crowbar: if the screws are still in place, the quality of the concrete is OK. If the screws come loose, the concrete is not of sufficient quality to screw into directly.



Laying parquet flooring.



Laying solid wood flooring.