


nature's best
collection

3-layer parquet – 3-line, planks and fineline

Data sheet for installation on underfloor heating (water based systems)

1.) General technical advice

- a.) The maximum water temperature should be max. 55°C.
- b.) During the heating process the surface temperature of the parquet must not exceed 26°C.
- c.) in order to achieve a consistent warming of the entire floor and to avoid overdrying of the parquet, the heating pipes in the room should be distributed as uniformly as possible. A distance between the heating pipes should be in the range of 20 to 30 cm. Please follow separate instructions of your supplier for the heating system . Please avoid that the heating pipes are installed too narrow to each other.
- d.) We strongly recommend the installation to be done by glue down installation to the concrete as the thermal conductivity is much better in comparison to floating installation

2.) Information for adhesion

- a.) The engineered floor has to be conditioned at least 48 hours prior to installation, which means it has to be made sure that the floor acclimatizes to abt. 18°C room temperature before starting the installation.
- b.) Please use either polyurethane adhesive or modern elastic adhesive.
- c.) Please apply some PVAC-glue on the tongue and the groove on the last 25 cm of each long side and short side of each board. This procedure is called “H-gluing” and it is an additional activity in order to avoid the appearance of gaps during the heating period.

3.) Advise for preparation of the concrete

- a.) if there is a freshly installed concrete in the room please pay attention to the following steps:
 - start the warm-up of the concrete 21 days prior to installation of the wooden floor.
 - please increase the water temperature by 5° C per day until the maximum temperature of the heating system has been reached. Please keep the maximum temperature for several days without activating the overnight shutdown.
 - After that please reduce the water temperature of the underfloor heating again by daily steps of 5°C until a surface temperature of 15-18°C of the concrete has been reached.
 - now you can start to install the parquet by gluing it down or floating installation.
 - 2 days after installation of the parquet please again increase the flow temperature of the heating by 5°C steps per day. We strongly recommend the heating-up of the parquet at all times of the year – even if there is no heating period.

- b.) If you want to install the parquet on an already existing (old) pavement, please also heat-up the floor as per our above mentioned description. This is important in order to achieve a balanced humidity of the pavement.

4.) Natural wood on underfloor heating

- a.) Very often in rooms with underfloor heating you can find a room climate which is much too dry. However, it is good to have a relatively room humidity of 50-65% which is good for humans as well as for wooden floors. Therefore we strongly recommend to use electric humidifier .
- b.) During the heating period, wood adjusts to low humidity room climate by shrinking . This is a natural process and we cannot be held responsible for the occurrence of gaps and grooves in this case. Especially Beech and Maple are wood species which tend to show bigger gaps on underfloor heating systems especially during winter . During summer with normal room climate of about 50 % relative air humidity such gaps are normally closing again . .

There is very positive experience with following wood species on underfloor heating

- White Oak
- Merbau
- Doussie
- Iroko
- Black Cherry
- Hevea
- american Walnut
- Teak

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We are wood Holzagentur GmbH