

Underfloor heating

Due to the natural warmth of our Lobis wooden floors, underfloor heating can be switched off earlier, even in interim periods - which means lower heating costs. **Thus, Lobis floors are perfectly suitable for underfloor heating.** It is important that the following **installation instructions** are strictly observed:

The screeds must be laid in accordance with EN. All mineral surfaces must be heated before the installation of Lobis floors in order to allow the harmful moisture to escape. This protocol is valid for all seasons, during summer as well as during winter. Cement screed can be heated after a period of 3 weeks, Anhydrite screeds already after one week.

The heating power has to be brought in 5 ° C steps per day to the maximum heating power. This is also important for each additional heating period. The period of time in which the heating must be driven to full load depends on the type of screed and screed thickness.

- Cement screed: per cm screed thickness: 1 Day
- Anhydrite screed: per cm screed thickness: 2 Days

After this full load phase, the heating is lowered again in 5 ° C steps per day. In order for the moisture to escape again from the screed, the heating screed is heated again after a heating break of 5-7 days. If heating up and cooling down, is done by a heating engineer, he has to perform and present a heating protocol unsolicited. If this protocol is missing, concerns have to be reported.

Before laying, the moisture measurement must be carried out at the points indicated by screed installers or heating engineer using a CM device. The following values must be observed:

- Cement screed: max. 1,8 CM-%
- Anhydrite screed: max. 0,3 CM-%

Prior to laying the floor, the heating has to be switched off for 1-2 days. The surface temperature of the screed has to be at least 15 ° C, yet max. 20 ° C.

Another **basic rule** has to be considered:

The underfloor heating should be regulated in such a way that the floor is not exposed to excessive fluctuations of the temperature between day and night and thus not to great tensions.

The wooden floor may under no circumstances be overheated, otherwise it will inevitably lead to the formation of cracks and wear on the wear layer.

The surface temperature of your Lobis floor should not exceed 26 ° C. Ideally, the room climate should be about 20-22 ° C with a humidity of 50-60% during the heating period.

Heating protocol for underfloor heating

Customer: _____

Object: _____

Room/storey: _____

- On _____ the screed works were finished.
 - There is already a _____ -screed .
 - The thickness of the screed adds up to approximately _____ cm.
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- On _____ the surface-heated floor construction with daily temperature increase of 5 ° C was put into operation.
 - The maximal reached flow temperature was _____ ° C.
 - The maximal temperature was kept steady for _____ days without nocturnal fall.
 - From _____ until _____ the temperature was lowered in 5 ° C steps.
 - From _____ until _____ there has been taken a heating break.
 - On _____ after a temperature rise of 5 ° C per day the temperature was once again set to a maximal flow temperature of _____ ° C . _____
 - This maximal temperatur has been kept steady for _____ hours without setback.
 - On _____ the heating was lowered by steps of a maximum of 10 ° C per day until reaching 15-18 ° C. Now the the laying can begin.
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- During the heating up and cooling down process, the rooms were ventilated and drafts have been avoided: Yes / No
 - The heated floor surface was free of building materials and other overlaps:
 Yes / No

Confirmation

for the owner / client:

(Place/Date)

(Seal/signature)

for the architect:

(Place/Date)

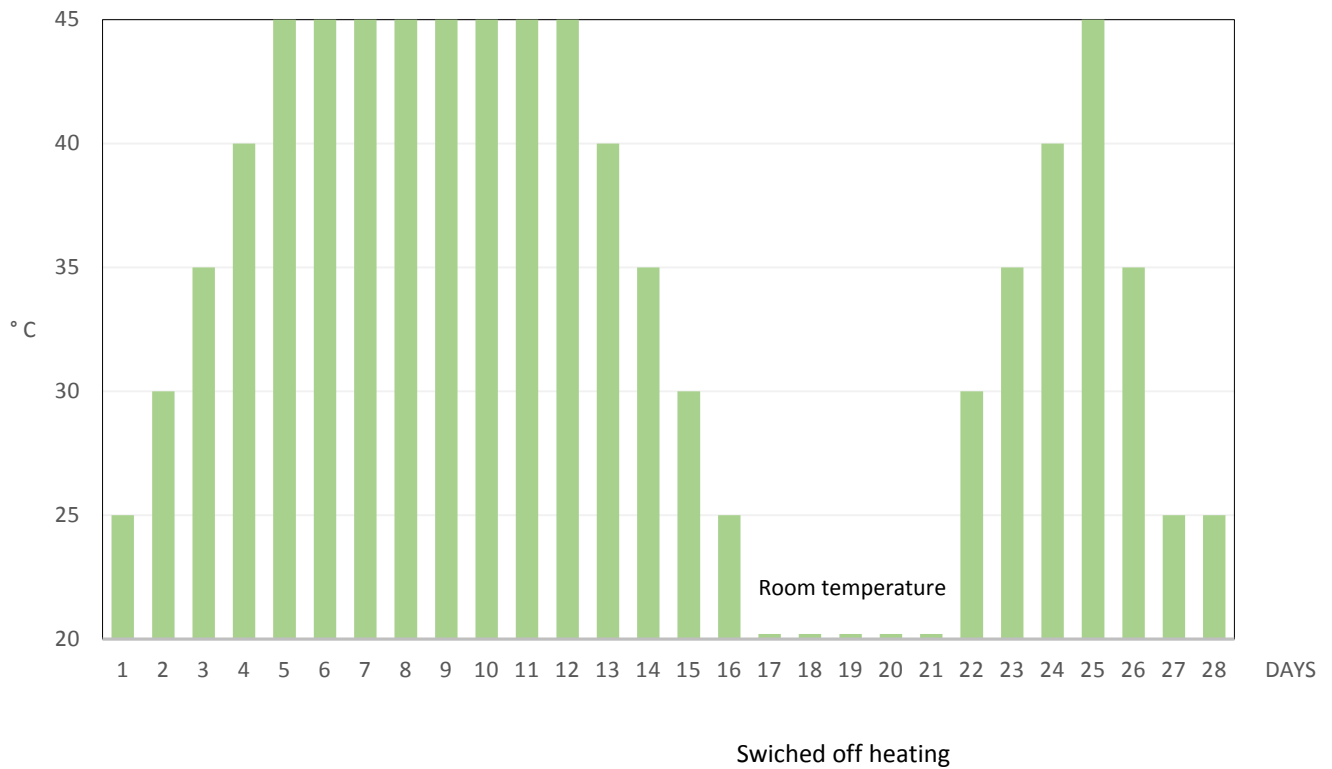
(Seal/signature)

for the heating company:

(Place/Date)

(Seal/signature)

Heating protocol for underfloor heating



The period of time in which the heater must be driven to full load for the first time depends on the type of screed and screed thickness:

- Cement screed: per cm screed thickness: 1 Day
- Anhydrite screed: per cm screed thickness: 2 Days