

Installation on underfloor heating

Preparative procedures for the laying of parquet on cement and anhydrous screed.

PRELIMINARY REMARKS

_ Every heated subfloor requires planning and coordination concerning the heating system, the thermal insulation, the screed and the various coatings, in order to assure an optimal efficiency. For the construction of such floorings professional achievements fulfilling the standards are of decisive importance. Consignments and procedures of machining have to satisfy the state of the art, the bulletin at hand, as well as the laying standards of the respective supplier and manufacturer.

SCREED / PERFORMANCE TEST / READY TO INSTALL:

_ After the manufacturing and rest time the screed must undergo a performance test (heating test). Completion of the heating protocol is conditional for the following activities of preparations of installations of engineered wooden flooring.
_ Damages of the heating system cannot be prevented without given measuring points when the humidity is measured as the performance test requires. Measuring points for the humidity in the screed do not replace heating up and down the screed, which is necessary to desiccate and slacken the screed before laying.

SPECIAL PROCEDURES (HEATING UP AND DOWN / UTILISATION)

_ The customer must obey to the following or get evidence from responsables:
_ The minimum rest time of the screed after its manufacturing until the beginning of the first heating procedure normally involves 7 days for anhydrite screeds, 21 days for cement screeds, 3-4 days for fast-curing concrete-screeds. Special time limits according to the declaration of the manufacturer are possible.
_ The supply temperature while heating up shall start at 20°C for warm water floor heatings and increased in 10°C increments per day until the maximum operating level (not more than 50°C supply temperature) is reached. While heating down the supply temperature must be reduced by 10°C every day (down to 20°C supply temperature).
_ The heating system of type A3 contains centrally lying heating tubes with remaining humidity under them. Thus the screed must repeatedly be heated up according to day 1-4 with a subsequent phase of heating down according to day 16-18 after the phase of heating down (day 18) and a heating break of 5 days. The total time of the heating procedure then increases from 18 to 30 days, until the humidity of the screed is measured.
_ Phases of heating up and down have to take place according to time schedule listed below.
_ The time schedule contains the minimum of heating days; every day more provides additional security. In case of a longer period of time between the last day of heating down the screed and the installation of the flooring, it must be heated up and down again in order to eliminate possible humidity in the screed.
_ The wooden flooring must be laid with a screed-surface temperature of abt +18°C and a relative air moisture of < 65%.
_ After completing the floorings aforementioned climatic values have to be guaranteed for seven days (e.g. for setting times of glue etc.). Completing wood floorings means: After the last procedure of surface treatment.
_ See that the room temperature is about 20°C and the relative air moisture about 50-60%.
Aforementioned values have an enormous influence on the behaviour of swelling, shrinking and lying of every flooring.