INSTALLATION OF P2000 AS FLOATING PARQUET OVER RADIANT HEATING SYSTEMS

Parklex 2000 is a natural wood floating parquet with special characteristics that make it noticeably different from the rest of the parquets found on the market.

The parquet system may only be installed over radiant in-floor heating systems using parquet strips measuring 188mm in width.

GENERAL INSTALLATION INSTRUCTIONS

Calculating the material

To calculate the material necessary when placing the order, measure the installation surface in terms of square meters, increasing the result by 5% to account for cutting and loss. This percentage may vary slightly according to the configuration of the surface to be installed.

Recommendations for handling

It is recommended not to open packages of parquet strips until the day before installation, as they may absorb moisture and expand, making it more difficult to fit the tongue and groove pieces together.
Before laying the floor, you must ensure that the material has a temperature of at least 18 ºC.
Check to see that the parquet strips and their edges are free of foreign bodies that may damage the material or make them more difficult to handle. Prevent the parquet strips from sliding over one another by lifting them, never dragging them.

Subfloor conditions prior to installation

The subfloor must meet certain minimum requirements before beginning to lay the material:

- It must be solid and even, with no risk of later deformations.
- It must have a humidity of less than 2.5% (less than 2% with radiant heating).
- It must be free of residue or other materials.
- It must be perfectly flat and smooth.

To get the floor to meet the above conditions, we may condition it in one of two ways:
By means of screeding, using perfectly leveled mortar with a minimum thickness of 4 cm.
FIGURE A

By means using battens installed at a distance of approximately 40 cm from each other, laying particle board on top of them. This should be preferably waterproof, and 16 or 19mm thick, maintaining perimeter separations of 6mm between the boards, allowing for their expansion.
FIGURE B

Room conditions

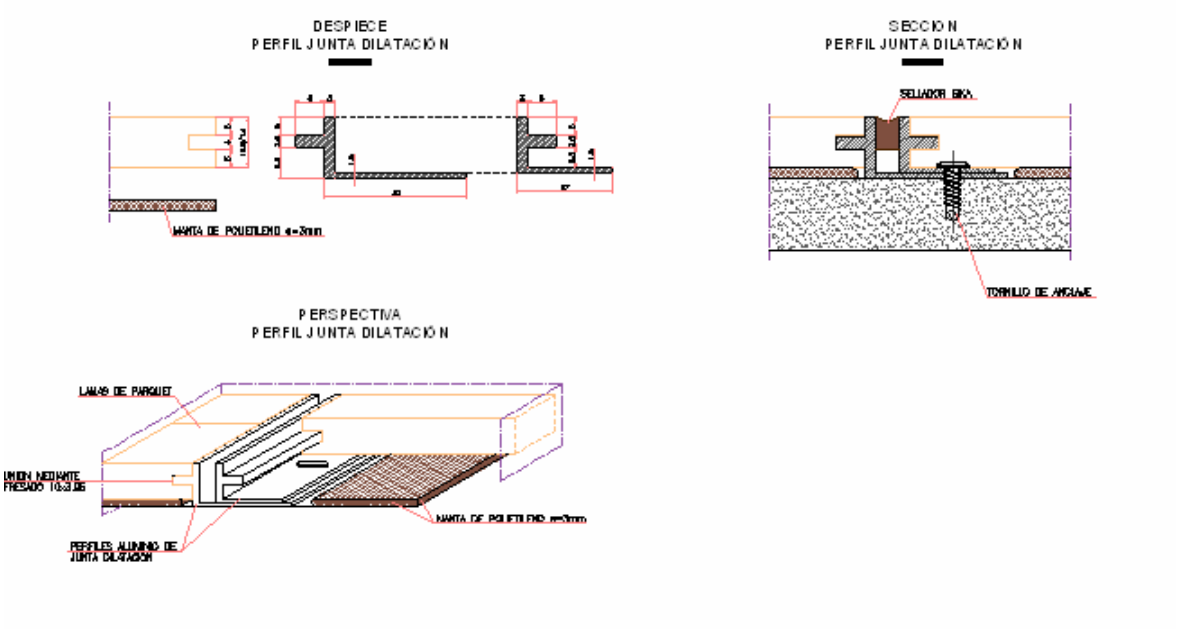
The temperature of the room and the material must be at least 18ºC.
During the installation, the room must have a humidity of approximately 60%.

Selecting the direction of the parquet strips

Installation is recommended in the room's longitudinal direction, since the strip experiences less longitudinal movements than transversal movements.
This is especially important in large, narrow spaces, so that the parquet strips lie flat on the floor subsurface.
When using the glued system, the direction of the installation is not important, since the glue reduces the movement of the parquet strips.

Construction joints, expansion joints

Due to the effect of the relative humidity in the air, it is necessary to leave perimeter joints of around 10mm next to walls and obstacles, held in place by wedges during the entire installation process. The floor should never be installed in contact with walls or other fixed construction elements.
The floor must have the capacity to expand, for example, next to thresholds, door frames, heating pipes and other types of flooring. It is also important to make sure that the baseboard covers the contraction that occurs during the winter, since a large part of the contraction affects the edges around the perimeter.
For surfaces with lengths equal to or larger than 8m, or areas larger than 40m^2, it is recommended to install at least one intermediate expansion joint measuring 8-10mm.



INSTALLATION OF PARKLEX 2000 OVER RADIANT HEATING SYSTEMS

The parquet system may only be installed over radiant heating systems using parquet strips that are 188mm wide.

Assembly Procedure

Radiant in-floor heating systems operate either through the circulation of hot water or by electrical resistors. In these systems, the floor heating loops formed by the heating pipes or resistors are embedded in a subfloor that is 7cm thick, or they are installed on moulded stone or extruded polystyrene plates and covered with a layer of mortar that is 4 or 5cm thick.

Parklex 2000 may be installed over subfloors equipped with radiant heating as long as they meet a series of conditions regarding the start-up of the heating circuit, the installation of the Parklex 2000 and the subsequent operation of the assembly.

The moisture from the floor slab and that which filters in from the surface mortar becomes trapped under the polystyrene and stone panels, making it very difficult for it to dry during the subfloor setting period.

The ground humidity and temperature are two key factors that must be controlled for the floating parquet to work properly.

The subfloor must be perfectly waterproofed against any possible moisture in the subsoil, in addition to being perfectly flat and smooth.

Before testing the operation of the radiant heating system, we must wait for the subfloor setting process to finish (3 to 4 weeks).

Make sure that the circuits are free of leaks, pressurizing the boiler and setting it to the maximum temperatures that the manufacturer and installer have indicated for start-up.

The bed humidity must be less than 2%, which is why the heat must be kept on at 2/3 of its normal setting for at least two weeks, after which time the degree of humidity in the subfloor must be measured. If it remains above 2%, the heat must be left on until this percentage is reached.

Two days prior to installing Parklex, the heating system must be disconnected.

Polystyrene or other similar mats must not be used, as they are poor conductors. They may be substituted with corrugated cardboard 2.5mm thick, placed with its smooth side up, or insulating mats that are specifically designed for radiant in-floor heating systems. This layer will serve as a supplement, compensating for any small irregularities and will cushion footsteps.

Once the Parklex has been installed, the heating system should be regulated so that the temperature of the floor surface never exceeds 25ºC, always avoiding any sudden variations in temperature.