

## General Information

When installing strip parquet, the surrounding environment and subfloor condition are crucial for the final result. Parquet flooring should be treated as a piece of furniture and should be the last interior element installed before moving in. Surface finishing with lacquer or oil should be done as soon as possible after installation. For the best results and warranty coverage, we recommend using a professional for both installation and surface treatment.

## Packaging

Each box contains approximately 1 m<sup>2</sup> and includes an equal number of left- and right-hand strips.

## Storage

Keep the packages unopened until installation. Ambient temperature should be between 64–72°F (18–22°C), and relative humidity should be 40–50%. Ensure proper ventilation.

## Subfloor Requirements

Strip parquet requires a dry and level subfloor. Newly poured concrete slabs or ground-level slabs must be moisture-proofed with 0.2 mm (8 mil) aging-resistant polyethylene film, overlapped by 12 in. (30 cm). Wooden subfloors should have a moisture content similar to the parquet strips: 5.5–8.5%.

## Temperature and Humidity

The room must be ventilated and heated to room temperature (64–72°F / 18–22°C). Relative humidity should remain at 40–50%. Avoid construction activities that increase humidity (e.g., plastering, pouring concrete, or tiling) near the parquet. Note: Even wallpapering and painting with water-based adhesives and paints significantly raise humidity. Important – Keep air circulating. Ventilate well before, during, and after installation.

## Floating, Nail-Down Subfloor

Use two layers of plywood (minimum 8 mm thick), with 6–10 mm spacing between boards. Lay the sheets in a staggered pattern. The top layer should be laid at a 90° angle to the bottom layer, with a minimum 15 cm (6 in.) overlap at joints. Staple sheets together, then nail the parquet through both layers. Note: Do not damage any underlying plastic vapor barrier with nails.

## Sport Floor Construction

Use two layers of 9.0 x 1200 x 2400 mm plywood. As above, stagger sheets with added rubber pads (5 x 40 x 40 mm) attached to the underside. Use a staple gun to fasten 18 pads per square meter (approx. every 24 cm). Distance from the sheet edge to pad center: 11 cm. Install sheets with pads facing down. Nail parquet through both layers. Note: Avoid piercing vapor barrier with nails.

## Joist System

Use joists of minimum 45 x 75 mm (1.75 x 3 in.) spaced 60 cm (24 in.) apart. Cover with at least 18 mm plywood or 19 mm solid board to support parquet. Ensure wood moisture levels match the parquet (5.5–8.5%). Where moisture risk exists, use vapor barriers, mechanical ventilation, and vented baseboards.

## **Concrete Slabs on Ground**

When installing over concrete on ground level, the concrete must be moisture-proofed. The parquet must rest on a ventilated structure separated by an air gap from the slab. We recommend either the sport floor method or the joist system described above. Always use vented baseboards.

## **Gluing the Parquet**

Parquet strips may be glued directly onto fiberboard or concrete using parquet adhesive. Follow the adhesive manufacturer's instructions and monitor moisture levels carefully. The surface must be level (Class A+:  $\pm 2$  mm over 2 m) and have minimum tensile strength of 1.5 MPa. Wait at least 72 hours before surface treatment after gluing. If relative humidity in the concrete exceeds 85%, additional moisture protection is required – refer to adhesive manufacturer's recommendations.

## **Underfloor Heating**

We recommend installing on a floating nail-down subfloor. Subfloor temperature during installation should be 64–72°F (18–22°C). After surface treatment, increase temperature by no more than 0.5°F (0.25°C) per day up to a maximum of 81°F (27°C). Surface temperature of the floor must never exceed 81°F (27°C). Never turn off the heating completely – maintain at least 64°F (18°C) year-round to minimize movement.

## **Gluing on Underfloor Heating**

Turn on underfloor heating four weeks before installation. Maintain 68°F (20°C) throughout installation. Subfloor humidity must not exceed 50% RH, or the wood's equilibrium moisture must be 5.5–8.5%. Maintain 68°F (20°C) for at least one week after installation and finishing, then increase by max 5°F (3°C) per day up to a max of 81°F (27°C). Never shut off the heating completely – keep a minimum of 64°F (18°C) year-round to reduce movement in the floor.

## **Installation & Covering**

Surface area determines the appropriate laying method, expansion gaps, and pattern choices. Please consult us or your flooring professional. Never cover the parquet with airtight materials such as plastic sheeting or packaging film. Use fiberboard instead and tape the joints.