

Celeste Parquet Wood Flooring Installation Guidelines

Engineered European oak panels | Full-spread glue-down installation | Installer copy

Read this entire guide before starting. Verify the exact style and panel dimensions on the carton. Follow the adhesive and radiant heating system manufacturers' instructions. If requirements conflict, stop and contact SLCC before installing.

Product and installation at a glance

Installation method	Full-spread glue-down only.
Suitable substrates	Properly prepared wood or concrete substrates that meet the flooring and adhesive requirements.
Indoor conditions	65°F–75°F and 35%–55% relative humidity before, during, and after installation.
Subfloor flatness	No more than 3/16" deviation in 10 feet or 1/8 inch in 6 feet, or a tighter system requirement.
Perimeter clearance	Minimum 1/2 "at walls and fixed vertical objects, following NWFA parquet guidance.
Radiant heat	Permitted with a compatible full-spread adhesive system and the precautions in this guide.

Tools and materials

Tape measure, straightedge, square, chalk line, moisture meter for wood, concrete moisture test equipment, thermometer and hygrometer, approved adhesive and trowel, floor roller or weights if directed by the adhesive maker, approved adhesive cleaner, spacers, saw, and personal protective equipment.

1 Inspect the jobsite and flooring

- Finish all wet work. The building must be enclosed, dry, and protected from weather. Correct leaks, drainage issues, and other moisture sources.
- Check the delivered style, color, pattern, grade, quantity, and carton labels. Inspect panels under good light. Set aside visibly damaged or unacceptable panels before installation.
- Do not install in moisture-prone areas or locations exposed to standing water. Installation constitutes acceptance of visible panel appearance.

2 Establish indoor conditions and condition the flooring

- Operate the heating and cooling system under normal living conditions. Maintain 65°F–75°F and 35%–55% relative humidity before, during, and after installation. Record site readings.
- Store cartons flat in the installation space, away from direct heat, sunlight, concrete, and moisture. Condition for at least 72 hours. Time alone does not establish readiness.
- Use a calibrated wood moisture meter to test panels from several cartons and the wood subfloor. Record the readings; resolve unusual moisture readings before installing.

3 Test and prepare the substrate

The substrate must be structurally sound, clean, dry, and suitable for the adhesive. Remove dust, loose material, paint, grease, sealers, curing compounds, and bond-breaking residue. Secure moving wood panels and use compatible patching or leveling products.

NWFA standard parquet flatness for wood substrates and glue-down concrete substrates is 3/16 inch in 10 feet or 1/8 inch in 6 feet. Check the entire floor with a straightedge and correct deviations. Follow any tighter adhesive or system tolerance.

Concrete moisture testing

Test every concrete slab, regardless of age or appearance, and record the test locations, ambient conditions, dates, and results. Use the method required by the flooring, adhesive, or moisture-control system manufacturer and the current ASTM procedure.

ASTM F2170	In-situ relative humidity probes give a quantitative reading within the slab.
ASTM F1869	Calcium chloride kits give a quantitative moisture vapor emission rate where this test is appropriate.
ASTM F2659	A nondestructive electrical meter maps comparative surface moisture and helps choose locations for quantitative tests. Do not rely on it alone for the install decision unless the flooring manufacturer permits it.

Compare quantitative results with the approved adhesive and moisture-control system limits. If readings exceed those limits, wait for further drying or apply a compatible, approved moisture-control system. Do not place loose plastic beneath a full-spread glue-down floor.

4 Lay out the parquet pattern

1. Confirm the intended pattern and direction with the customer or project representative. Dry-lay panels from several cartons to assess color balance, alignment, and cuts.
2. Measure the room and establish square center-layout working lines. Balance the pattern around doorways, fireplaces, cabinets, and other prominent features. Transfer lines to the starting area and verify all measurements.
3. Undercut door jambs as needed. Plan transitions. Maintain at least 1/2 inch clearance at walls, columns, pipes, and other fixed vertical objects under NWFA parquet guidance. Trim must cover the space without pinning the flooring.

5 Glue down the panels

1. Use an adhesive approved for engineered parquet, the substrate, the measured moisture conditions, and radiant heat when present. Follow its trowel, spread, open-time, surface-preparation, rolling, and cure requirements.
2. Create a straight, stable starting reference. Spread adhesive evenly with the specified trowel, covering only the area that can be installed within its working time.
3. Set panels in the agreed pattern. Press firmly into the adhesive and keep pattern lines and edges aligned. Do not force panels together or leave gaps.
4. Lift a freshly placed panel periodically to check adhesive transfer. Correct poor coverage immediately. Roll or weight panels only as the adhesive maker directs.
5. Remove adhesive from the finish immediately with the approved cleaner and method. Do not use blue masking tape. Keep traffic off the floor for the stated cure period.

6 Install over radiant heat

Celeste Parquet may be glued down over radiant heat when the adhesive, moisture-control products, substrate, and heating system are compatible. Follow NWFA radiant heat guidance and all system manufacturers' instructions.

- Have the system installed, tested, and operating before flooring installation. Confirm moisture testing and normal indoor conditions.
- Reduce or turn off heat during installation as needed to prevent premature adhesive drying or skinning. Observe the adhesive maker's subfloor temperature limits. The subfloor surface must not exceed 80°F at installation.
- Do not fill channels containing radiant tubing with adhesive. Locate embedded tubing or heating elements before drilling for concrete relative humidity probes; use system plans or appropriate detection equipment.
- After the adhesive cures, operate the system within approved limits, maintain 35%–55% indoor relative humidity, and avoid sudden temperature changes. Radiant cooling is not recommended under wood flooring.

7 Finish and protect the floor

Inspect alignment, gaps, damage, and adhesive residue. Fit trim without fastening through or restricting the flooring. Save spare panels. Record carton and batch data, site conditions, moisture readings, adhesive system, and installation date. Observe cure time before traffic, furniture, rugs, or cleaning. Use breathable protection during other work; do not tape it to the finish. Give the owner SLCC's engineered wood care instructions. Wipe spills promptly and never wet mop.