

PORFLOOR SPC FLOORING INSTALLATION AND APPLICATION GUIDE

1. Pre-Installation Preparation and Site Conditions

- **Installation Type:** Thanks to the click-lock system, installation is carried out quickly and practically as a floating system without the use of adhesive.
- **Subfloor Flatness:** Since SPC panels are rigid and thin, the subfloor must be perfectly smooth. A maximum tolerance of 2 mm over 2 meters is allowed. If necessary, the floor must be leveled using a self-leveling compound.
- **Storage (Acclimatization):** Before installation, products must be kept in the installation area on a flat surface for at least 24 hours.
- **Temperature and Humidity Control:** During application, ambient temperature must be between 18°C and 30°C. The floor temperature must be at least +15°C. The relative humidity of the subfloor must be within a maximum range of 40%–70% for concrete screeds.
- **Subfloor Restrictions:** Flooring must not be installed directly over textile materials (carpet, carpet tiles, rugs, etc.), PVC, wood laminate flooring, wet areas (toilets, bathrooms, etc.), betopan, or marble surfaces.
- **Lot Numbers:** Ensure that all packages of flooring to be installed have the same lot number.
- **Panel Lengths and Dimensions:** There must be a minimum distance of 30 cm between the short ends of adjacent panels; smaller pieces must not be locked. Installation should be carried out in areas up to a maximum of 10 meters in both length and width; transition profiles must be used for larger areas.
- **Skirting Rule:** Skirting boards must never be fixed to the flooring (they must be mounted to the wall).
- **Material Calculation:** The required quantity must be determined based on the area measurement, and an 8%–10% should be ordered to account for cutting waste.

2. Subfloor Compatibility Table

Subfloor / Support Type	Status	Special Conditions and Technical Requirements
Concrete floor, painted concrete, leveling/cement-based screed, anhydrite screed	OK	For cement-based substrates moisture must be <4% (RH 70%); for anhydrite <0.5%. Apply leveling compound if necessary.
Ceramic tiles	OK	Must be prepared with primer and leveling material in accordance with local standards.
Vinyl asbestos tiles	OK	Subject to compliance with current local regulations.
Hydronic / Electric underfloor heating	OK	Maximum temperature must not exceed 28°C. Heating must be turned off 48 hours before installation.
Raised, ventilated subfloor / slatted parquet / OSB and wooden panels	!	Defects must be corrected; after joints between panels are filled, fiber-reinforced leveling compound must be applied.
OSB or wood-based panels installed on beams or battens	!	Irregularities and joints between panels must be corrected, then fiber-reinforced leveling compound must be applied.
Compact PVC, linoleum, carpet, textile/foam-backed PVC, resin, existing parquet/laminate floors	X	Not suitable. Must be completely removed.

Note: Subfloor preparation must comply with the applicable standards and regulations of the country where it is used.

3. Required Tools and Materials

- **Hand Tools:** Utility knife or SPC cutter, measuring tape, pencil, rubber mallet, tapping block, and spacers.
- **Sealing and Fixing:** For skirting boards and door thresholds; in rooms exposed to water (e.g., bathrooms), MS Polymer or PU sealant must be used.

4. Step-by-Step Installation Process

4.1 Visual Inspection: Before installation, products must be checked for defects and verified to be from the same batch. Installation must not begin without prior approval.

4.2 Underlay Installation: If the SPC flooring does not have an integrated IXPE/EVA foam backing, an acoustic underlay of appropriate thickness (1 mm or 2 mm) must be installed.

4.3 Installation of the First Row: Start parallel to the main light source of the room. Place spacers of 10 mm between the wall and the flooring to create an expansion gap. The male profiles must face the wall/corner.

4.4 Locking the Panels: The male lock of the second panel is inserted into the female edge of the first panel at a 30-degree angle and pressed downward to lock into place.

4.5 Laying Process: After locking the long edge, the short edge is fitted by gently tapping with a tapping block or rubber mallet. Avoid hard impacts.

4.6 Cutting Panels: At the end of the row, measure the required length; score the panel from the top with a utility knife and snap it by bending. If the remaining piece is longer than 30 cm, it can be used at the beginning of the next row.

4.7 Special Areas (Pipes and Stairs): Cut around radiator pipes leaving a minimum 10 mm expansion gap; removed pieces should be fixed with appropriate adhesive. The same edge gaps must be left on stair steps.

4.8 Finishing: After installation, all expansion spacers must be removed. Skirting boards are fixed to the wall using nails, adhesive, or silicone (never fixed to the flooring).

5. Important Installation and Usage Rules

- **Floating System Rule:** SPC flooring must never be glued, nailed, or fixed to the subfloor except under special conditions. Fixed furniture, heavy kitchen islands, and cabinets must be installed before flooring; flooring must be laid around them leaving expansion gaps.
- **Initial Use Timing:**
 - Foot traffic: 24 hours after installation
 - Furniture placement: 48 hours after installation
 - Underfloor heating: Must remain off for 7 days before being turned back on (it must have been turned off 48 hours prior to installation)
- **Static Load and Furniture Protection:** For loads under 30 kg/cm² and 200 kg/support, rubber caps must never be used. Instead, flat (non-conical), pattern-free plastic/polyethylene caps suitable for PVC must be fitted to furniture legs. Heavy items must never be dragged across the flooring.