



LIVING PLUS HD, SPC floor with click system

EN Installation Guide

Surfaces which are appropriate for installation, general recommendations:

Surfaces must be clean and dust-free.

The SPC LIVING PLUS HD floor has already included in its structure the isolating base designed based in the mechanical characteristics of this floor.

Do not use any other isolating base, as the lack of density may lead to a negative effect on the connecting mechanisms and occasioning open joints in the installation. In case may think that an extra isolating base is required, please, check before with your distributor or point of sale.

Dimensions:

The SPC (Stone and Plastic Composite) it is a very stable composition that allows the installation of big areas up to 200sqm without expansion joints. However, it is recommended to follow the below rules in order to keep the warranty:

- Do not install more than 15 lineal meters in any of the directions, and do not exceed in any case the measures of the area of 15x15m.
- Pay attention to the heavy objects (+100kg/sqm) in the areas and to any object that can affect the shrinkage and expansion of the total of the installation.
- In big areas (bigger than 100m²) with huge expanse of glass that allows the continuously penetration of sun lights for more than 2 hours per day, take precautions in order to avoid the temperature of the floor arrives up to 45°C.
- Any of the parts of the area has to be in direct contact with outdoors and its atmospheric agents such as snow, rain, extreme hot or cold.
- The measures 15m x 15m have to be installed in square or rectangular, never in a set of areas connected by corridors or door to door.
In case of any doubt, check it with your distributor.

Appropriate areas

- Floors with radiant heating up to 33 °C (always consult the distributor about how to adapt the floor to the room).
- Even ceramic floors without slopes and breaks in the tiles.
- Cement floors correctly treated with resin or suitable paint.
- Surfaces which are gently textured or porous in general.
- The type of existing floor and its condition will determine the viability of an optimal installation.

Observations:

- Ensure that all packages have the same batch number. Packages with different numbers might be slightly different tone or brightness.
- Do not install in areas that are permanently exposed to the sun.
- Do not install in constantly hot and humid areas like saunas, etc.
- Do not install on top of floating floors.
- Do not install any other underlay (FOAM), LPHD already included.
- We recommend you always consult your distributor about any out-of-the-ordinary use of the floor.
- Do not block the ground. Do not use any element under any circumstances that will immobilize the natural movement of the material. Do not screw or nail elements to hold the flooring, do not seal joints (these act like a wall once dry) or perimeter expansion spaces, do not place heavy furniture on the LIVING + HD floor such as built-in cabinets, islands, kitchens, etc.
- If it is not possible to place skirting boards in the installation, either because of aesthetics or because of a stumbling on it, it is recommended to use bead-type finishes or plates (never glued to the floor, glued to the wall). Under no circumstances, use silicone sealants, putties or other types of sealants to fill the expansion gap between the floor and the wall. This would prevent the free expansion of the pavement.
A floating floor must ALWAYS remain floating.

Preparation:

Leave the SPC tiles in the room where they are going to be installed for at least 48 hours before of the installation. The room must have a constant temperature of between 15 °C and 25 °C and a humidity level between 30 and 50 %. Do a detailed examination of the tiles before install them.

Be sure that the tiles make reference to the model you chose before installing.

Eliminate any trace of glue or residue from the floor.

The concrete plinths should be left to dry for at least 60 days from its installation, being the humidity level less than 3% (check with specific meters).

Repair any irregularities of over 1 mm/ml

Tools needed for installation purposes:

- Cutter, circular saw or a jigsaw with plastic sheet
- Metre
- Marker
- Installation kit (wedges, lever and adjusting tool)

Installation:

1. Check all the slats before and during installation to verify their good condition. Never slats in poor condition or defective must be used. Once installed, it will be considered accepted and therefore no claims can be made.
2. Start from one corner placing the first tile with the male side facing the wall.
3. Use the wedges throughout the first line to keep the correct distance between each piece (from 5 mm to 8 mm is enough).

IMPORTANT: Do not place the floor using screws, glues or any other fixing system, as the surface must stay floating and must avoid contact with any obstacle like piping, door frames, and columns. The failure to follow this instruction invalidates the guarantee.

4. To place the following plank, fit it into the slot of the adjacent plank at angle of about 15 to 20 degrees.
5. Keep installing and connecting the first line until you get to the last plank.
6. Rotate this piece at 180 degrees, with the design face up, measure and mark it.
7. The tile can be cut with a cutter supported by a metal ruler. It is always advisable make the cuts with a jigsaw with plastic sheet or circular saw. Keep the utmost care doing this process.
In case of cutting with a cutter, softly repeat the mark up to 3 times and force carefully the both extremes of the plank in the opposite direction of the cut until broke it.
8. Once the first row of planks has been placed, begin the next row the remaining part of a plank from the first row. To make sure that the installation is stable, this piece should be no longer than 30-40 cm long.
9. To place the second plank of the second row, slot the connecting part of the short side into the first. Keep the piece inclined at 15 to 20 degrees and gently push on the entire plank to make sure that it fits into place perfectly and longitudinally.
10. Continue applying the planks until the row is finished and continue from the last piece of the first row.
11. When you reach the wall, to complete the last row, place the planks with the design face down and use the marker to display the differences between the pieces.
12. Cut the door frames and shape the panels with a handsaw, using the tile as a reference.

The use of expansion joints is mandatory in installations that exceed 15m x 15m. In any case, consult always with the distributor about the special rules of installation in areas bigger than 200sqm.

If installations in bigger areas are going to be made, check it with your distributor. Will not be admitted complains of open joints and damage in the product done by the effect of expansions if the previous recommendations have not been followed.

Important: Always avoid using blows to install the product. The mechanized system of the planks always allows eventually its horizontal installation by beating, to avoid angular slotting. Nevertheless, action may cause damage to the joining mechanism which will later lead to open joints.

Installation over heating systems:

Installation over floors with electric heating systems is not recommended because the mechanical and structural strain put on the SPC click system covering. The guarantee does not cover installation in these conditions.

Installation on floors with a water heating system may be done doing the following:

- Place a steam barrier between the plinth and the isolating base, making sure that the joints are sealed.
- Place expansion joints in each room to avoid damage due to heat and humidity in the different parts of the home or commerce.
- Switching on the heating should be progressive and never done abruptly. Not following this rule will lead to changes in the floor's structure and may cause irreparable damage.

Recommendations for care and maintenance:

In order to protect your LIVING PLUS HD floor, we recommend the following:

- Avoid any contact with dirt, sand, dust and substances such as oil and asphalt.
- Prevent your pavement using felt pads or soft rubber wheels. Use floor protectors and furniture big legs/wheels (bigger than 3 centimeters in diameter) to avoid the impact of heavy objects (+100kg/m²). With the aim of preventing the pavement damages, the support surface of the chairs or any other type of furniture must be rounded and without sharp corners, required in the regulation EN12529. Remember not to put fixed elements

on the floor, which can affect the expansion and shrinkage of it. Avoid making cuts and holes on the floor with sharp objects. If you have chairs or furniture with wheels be sure they are made of rubber instead of hard plastic or metal. In case of doubt, check it with the distributor.

- Maintain a relative indoor humidity of between 30% and 50% throughout the year in order to prevent the floor from being subject to sudden changes in humidity and temperature.
- Avoid making cuts and holes in the floor with sharp objects. If you have a wheelchair, make sure that the wheels are made of hard rubber.
- The surface of the new LIVING PLUS HD floor, which is essentially hardwearing and resistant, does not require additional treatment. It does not need to be polished, varnished, or waxed as it conserves its intrinsic and essential properties.
- The SPC LIVING PLUS HD floors have a hard, compact surface; so, it is not necessary to constantly clean with a wet mop. This should only be done occasionally. The use of abrasive cleaning products with ammonia or acid bases can alter the appearance of this.
- The use of expansion joints in installations exceeding 15 m. wide by 15 m. long is mandatory. Not following this recommendation renders the guarantee invalid.
- The guarantee does not include the installation of the SPC floor in areas which are directly exposed to the outdoors such as shop or office entrances, etc...
- The board of the LIVING PLUS HD surface is made up of polymers, meaning that its physical performance and its properties are similar to those of wood. Extreme heat may therefore lead to the expansion of the panels. To avoid any problems caused by the expansion of the boards, the storage, installation and maintenance instructions explained in this Guarantee Letter and in the Installation Guide must be followed carefully.
- The protection layer of LIVING PLUS HD floors has been subject to very demanding quality control processes and tested in official laboratories to guarantee its abrasion-resistant properties; however, negligent installation, improper use or inappropriate maintenance of the floor may cause occasional deterioration. Check the instructions concerning maintenance and respect the limits which apply to our LIVING PLUS HD floor.
- We recommend keep some tiles as a replacement in case of breakage or accident of the ground. The tiles must be replaced by a professional.