



Luxury SPC Herringbone Installation Guidelines

We provide these guidelines to ensure a successful installation and support you in meeting best practices and adhering to industry standards. It's important for the installation contractor or fitter to evaluate site conditions, subfloor quality, and the desired finish prior to beginning the installation.

These instructions are intended to align with the British Standard, promoting safe and accurate installation while enhancing the overall performance of the flooring. Thank you for your attention to detail and dedication to delivering exceptional results!

General Overview

Luxury SPC Herringbone is a completely waterproof floating floor that boasts impressive acoustic and thermal qualities, constructed from lightweight and rigid core materials. Careful installation practices are encouraged to ensure a proper fit. Herringbone is appropriate for both commercial and residential spaces; however, it is not intended for outdoor installation.

Before installing Herringbone, ensure that any permanent fixtures are in place while allowing room for expansion and contraction (as detailed below). Spaces left for expansion around moisture-prone areas should be filled with a flexible acrylic or neutral cure silicone sealant. Typically, a separate underlayment is not necessary; please consult your supplier for confirmation.

Acclimatization of Material

For commercial installations, it is essential to carefully open the flooring packaging at both ends at least 12 hours prior to installation. Allow the flooring to acclimate in the room where the installation will occur. The room temperature must be maintained between 64-81°F (18-27°C) during this period.

For residential installations, acclimatization is not necessary if the product temperature is already within the range of 64-81°F (18-27°C).

Subfloors

As with all types of flooring, it is essential to start with a clean and level subfloor that is free from lumps, bumps, hollows, and other imperfections. Any protrusions should be planed or sanded down, and all hollows and gaps should be filled with a water-resistant levelling compound.

The moisture level must be measured and should not exceed 75% relative humidity. Additionally, any isolated high points or ridges should be removed to prevent damage to the flooring material.

- Concrete/Screeds: Where the subfloor is uneven an appropriate smoothing compound should be selected.
- Quarry Tiles/Mosaics/Terrazzo/Ceramics: Level any grout lines with a width and/or depth of more than 3/16" (5 mm).
- Timber floors: These should be solid with little flexibility. All loose boards must be firmly fastened, and gaps filled. Wood block floors laid direct to earth/bitumen/pitch must be removed prior to installation.
- Linoleum/Thermoplastic/Vinyl/Cork Floors: Make sure these floors are solid; fix any loose tiles.
- Misc.: Any existing floors installed with cutback adhesive must first be suitably covered/encapsulated.
- Metal and Painted Floors: Remove any loose paint or other finishes.
- Textile floor coverings (including carpet) must be removed.
- Underfloor Heating: it is possible to install Herringbone over floors incorporating underfloor heating, but these must be controlled to keep the temperature at the underside of the product below 81°F (27°C).
- Electrical underfloor heating: please consult manufacturers to ensure their system is compatible with our flooring. Mesh/ wire systems must be embedded into a basecoat of a reinforced smoothing compound to a minimum depth of 3/8" (10 mm), installed to manufacturer's instructions. The room temperature must be between 64-81°F (18-27°C) prior and during installation.
- Other Floors: Consult your supplier.

Installation

Before starting, measure the area to be installed and decide on the direction of installation. Luxury Vinyl SPC Click should always be installed as a floating floor. Luxury SPC Herringbone should be laid with an expansion gap of 3/16" (5 mm) around the perimeter of the room and all fixed objects, including pipes. This gap must be increased to 5/16" (8 mm) for areas larger than 1,000 sq. ft. (100 m²).

Tools

For a successful installation, the following tools will be necessary pencil, utility knife, ruler/straight edge, carpenter's square, saw, hand roller, pull bar, laminate guillotine to cut 45° angle, hammer and rubber mallet are recommended.

Important Information

Always check that all packs have the same production number before installation (see the production number on each pack). We recommend that the tiles be installed in the same direction, in accordance with the mark/arrow on the reverse side of the tile.

Even though all material is carefully inspected before delivery, faults can occur. Any deviations (damaged or incorrect floor tiles) must be reported immediately to the manufacturer and must not be installed; these tiles must be set aside before installation. If you have any doubts before installation, always consult us.

Office chairs that are to be used on SPC Luxury Tiles Click must be fitted with soft-type W castors in accordance with DIN 68131. Also, note the firmness requirement for the substrate. Rubber wheels, rubber pads, printing ink from plastics, etc., can discolour the floor and leave permanent marks over time. Always use pads on furniture to protect the floor against surface damage and scratches.

If construction activity is to continue, place protective covering on newly installed floors. Do not tape the protective cover directly to the floor, as the adhesive on the tape can have a negative effect on the floor, and some types of adhesives are very difficult to remove.

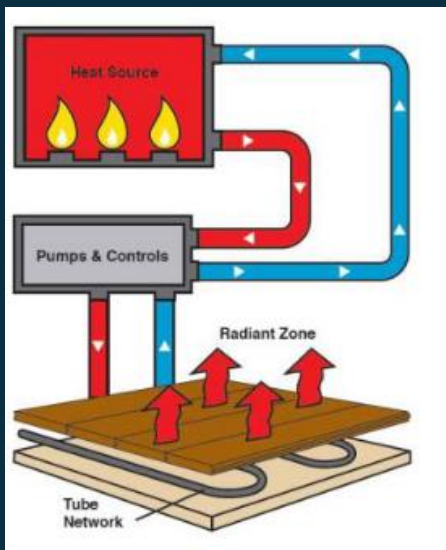
Take special care when installing Herringbone flooring in rooms with large temperature changes, such as unheated spaces, conservatories, or areas with direct sunlight from south-facing patio doors. For these situations, leave a 3/8" (10 mm) expansion gap.

Avoid using adhesives for this flooring installation, and please note that installation on stairs is not recommended.

HEATING SYSTEMS - HYDRONIC

All Radiant Heat systems must have failsafe capability to ensure surface temperatures do not exceed 27°C. The heating system tubes must be 38mm below the surface layer of the concrete slab/thermal mass. 2–3 weeks prior to the installation the thermostat must be set at 21°C, then at 30°C for 3 days. The home should be aired out briefly every day to allow the excess humidity from the thermal mass to exhaust out of the structure.

CLASSIFICATIONS OF HYDRONIC SYSTEM



- Encased in Cement/Gypcrete.
- Encased in Aluminium Hangers, between flooring joists.
- Involve use of Aluminium Transfer sheets between subfloor and a wood deck on top of sleepers.

SURFACE CHANNELLED RADIANT HEAT SUBFLOOR:

Surface-channelled radiant boards, are not acceptable for use under Luxury SPC Vinyl flooring. A minimum of 19mm must be maintained between the floor and the water tubing. This is not possible with these types of systems. This applies to systems with or without an aluminium

transfer sheet. Sub floor level tolerances listed previously, also apply to radiant heated subfloors.

HYDRONIC RADIANT HEAT APPROVED PRODUCTS Luxury SPC Herringbone + IXPE

CAUTION: Surface temperature of the vinyl floor should never be set to exceed 30°C. as a function of the heating system.

Temperature sensors must be integrated into system as a failsafe to prevent excessive heat and damage to the Luxury SPC Vinyl Flooring + IXPE.

NOTE: Area rugs and closed bottom furniture placed over radiant heat system will create heat retention in the floor. This may result in that area exceeding optimum temperature and causing slightly larger gaps and minor distortion in the floor under closed bottom furniture (bookcases, entertainment units, area rugs etc. Hydronic systems are difficult to regulate in that regard.

PASSIVE RADIANT HEAT SYSTEMS: Passive radiant heat systems are not suitable for use with Luxury SPC Vinyl Flooring + IXPE

Any approved radiant system must be combined with the ability to move the air in the room for proper heat distribution and to prevent excessive heat at floor level. Humidity controls must be in place to maintain relative humidity within a 20 to 60% RH range.

INSTALLATION METHODS-HYDRONIC

Floating Installation: Luxury SPC Vinyl Flooring + IXPE, does not require additional pad, and additional pads must not be used.

Glue Down Installation: Not permitted.

Thermal mass must be concrete product and rated at a compressive strength of 2500 psi or greater. Thermal mass with less than 2500 psi compressive strength. Tubing must be a minimum of 32mm below the surface of the concrete thermal mass.

RADIANT HEAT IN LIGHTWEIGHT CONCRETE– DRYING THERMAL MASS PRIOR TO INSTALL

Two to three weeks prior to the arrival of the vinyl floor and after completion of all wet work at the job site, the radiant heat system should be on at a temperature of 21°C for three weeks and then at 30°C for 2-3 days. During this time, the structure should be well ventilated to prevent moisture buildup (The increased heat is driving the moisture out of the concrete thermal mass during this time). If this is not possible due to weather/ outdoor climate conditions, dehumidifiers should be used to keep moisture from building up in the structure.

NOTE: Prior to installation, the lightweight concrete moisture content must not exceed 1.5% as measured with a Tramax Moisture.

HYDRONIC RADIANT HEAT / WOOD SUBSTRUCTURE AND ALUMINIUM THERMAL

TRANSFER SHEET/ HANGERS – PRIOR TO INSTALL

Two weeks prior to arrival of vinyl flooring at job site, the radiant heat system should be gradually brought up to 21°C. Moisture levels allowable in wood sub floor is not to exceed 12%. Once systems have reached optimum conditions, Luxury SPC Vinyl flooring should be brought to job site, not before.

IT IS NOT RECOMMENDED TO USE LUXURY SPC VINYL HERRINGBONE WITH ELECTRIC HEATING SYSTEMS.

Installing SPC Locking Herringbone

1. Pattern Layout: Measure to find the center of the room on the start wall and the finish wall (Fig 1.).

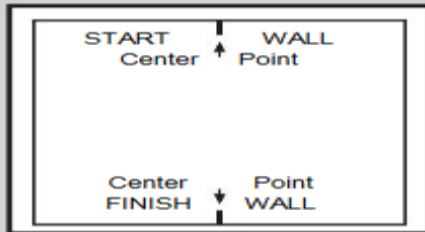
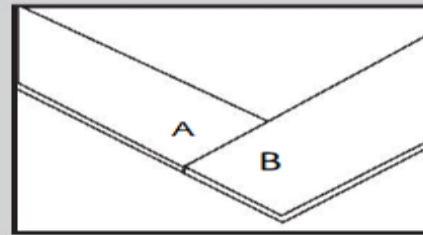


Fig 1.

Fig 4b.



5. This is your starting angle. Note: 3/16" (5 mm) spacers are required at all walls or vertical abutments (Fig 5.).

- Measure 2 1/8" from the left and right of the center mark at both ends of the room and strike a chalk line (Fig 2.).

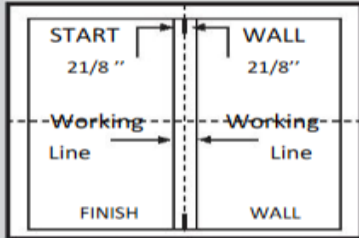


Fig 2.

- Open several cartons of the material. The planks will be marked "A" and "B" on the back (diagram below). Separate the different planks in stacks keeping the edges the same direction. While stacking mix up the planks to get good color separation for installation (Fig 3.).

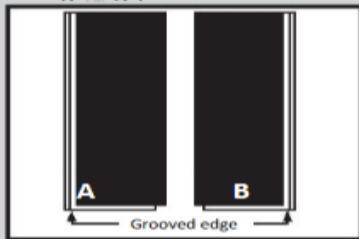


Fig 3.

- Take one "A" plank and one "B" plank and place as shown below. Angle the B plank at 45° and slide the joint together and lay flat (Figs 4a & 4b.).

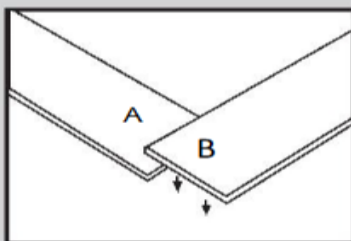


Fig 4a.

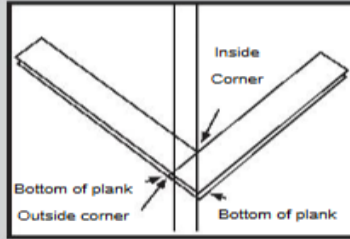


Fig 5.

- Line up the outside corner edge of the plank on the "A" plank with the inside corner on the opposite line (position A & B as above).
- Continue installing planks without cutting any planks working in opposite directions. Verify that the installed planks are straight on the lines (Fig 6.).

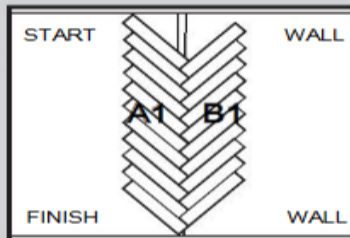


Fig 6.

- Start at the finish wall and slide the end joint of a "B" plank into the side of an "A" plank. Slide the "B" plank back into the end of the "A" plank at a slight angle until tight (Fig 7.).
Note: If you find you're drifting of your center line you can easily move product across the floor back and forth.

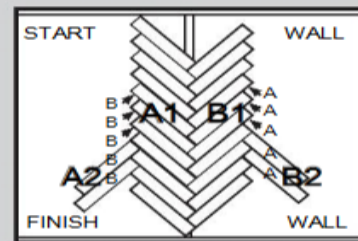


Fig 7.

9. Continue with all B planks and repeat on the other side of the original "B" planks with "A" planks. Complete the room repeating the same method making sure to keep the expansion spacers in place and the pattern square (Fig 8.).

10. Cutting and installing planks at the walls should be done as follows. Measure and mark planks as shown in diagram. The angle for the wall can be found using an angle finder (see below) (Fig 9.).

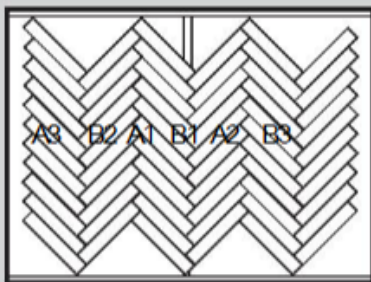


Fig 8

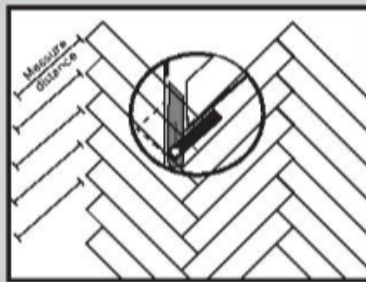


Fig 9

Finishing

Remove all spacers, cover any expansion gaps with quarter round or baseboards making sure not to nail through the floor, only into the walls.

Fill expansions around any wet areas (sinks, tubs, etc.) with a flexible acrylic sealant or a flexible silicone sealant (neutral cure).

Install coordinating T-mouldings as necessary at transitions to other flooring and large areas over 50 ft in each direction.

Taking care of your floor

- Regularly sweep the floor to remove loose dirt or grit as these can cause fine scratches.
- For a thorough clean, a range of cleaning products is available (Clean, Remove and Refresh). Avoid the use of regular household cleaners and bleach-based detergents. These could make the floor slippery or cause discolouration.
- Always mop up spills as soon as possible, to reduce the risk of slipping and possible staining.
- Use entrance mats to protect against grit and moisture. Ensure they are of non-staining variety (not rubber-backed) to prevent any discolouration of the floor.
- Avoid sliding or dragging furniture or other objects across the floor - use floor protector pads to prevent scratching.
- Use castor cups to protect against indentation from heavy furniture.
- Maintain room temperature between 64-81°F (18-27°C) for optimum performance.
- Do not subject Herringbone to standing water as this will present a slip hazard.