

DIRECTIONS FOR LAYING

INTERIOR CONDITIONS

Before the installation make sure that all work on site (decoration, installation of sanitary fixtures, etc.) has been completed. Maintain the humidity level between 45% and 65% and the temperature between 16 and 25°C because outside of these ranges the boards may suffer deformation and adhesives and other products used for the installation may not work correctly.

SUBFLOOR CHECK

The subfloor on which the hardwood flooring is to be installed must be smooth, level, and have a compact surface so as to guarantee the best possible contact between the underside of the planks and the subfloor itself.

Carry out the following checks before installation:

- **Smoothness/Flatness of the subfloor:** a 2 metre long straight edge should be placed on the subfloor, the maximum allowable tolerance is 2÷3 mm.
- **Concrete subfloor superficial structural strength:** when hammering the surface no marks or deep cracking should appear.
- **Concrete subfloor superficial compactness control:** it should not be possible to create deep scratches or excessive dust when scrapping the surface of the subfloor with a nail.
- **Fissuring:** small fissures created as a result of the normal shrinkage of the cement are allowable, but excessive cracks, in particular those which permeate throughout the complete thickness of the subfloor, must be properly consolidated by suitable and permanent means.
- **Cleaning:** before the installation begins it is very important to carefully clean and check the surface of the subfloor.
- **Moisture content:** the moisture content of the subfloor has to be within the recommended limits for the specific type of subfloor. The subfloor residual moisture control has to be executed only using calcium carbide hygrometer (other tools could give wrong measurements in certain conditions) and the maximum values allowed for the installation are:
 - 2,0% for a concrete slab (max. thickness 80 mm);
 - 0,4% for anhydride slab;
 - 10,0% for wooden panels.

In case of thick subfloor this control has to be done on the total thickness, not only on the surface.

In case of installation on underfloor heating system the maximum values allowed are lower (see paragraph "Installation on underfloor radiating system" below).

Should these requirements not be fulfilled, implement proper operation before installation.

The laying of Listone Giordano® can also be carried out on pre-existing flooring, provided that they are checked all the conditions of flatness, solidity, compactness, cleaning of the surface, absence of cracks and of residual moisture or lift necessary to ensure proper contact at every point of the surface and the protection from external side. For installation over existing hard flooring (ceramic, stone, etc.), should in particular ensure that the surface is likely to ensure proper bonding. Where necessary action must be taken with a preliminary treatment of deep cleaning, degreasing, scratch the surface by mechanical means and/or suitable chemicals.

The glued installation is not compatible with pre-existing type textile floor coverings (i.e carpets) or resilient (linoleum, pvc, etc.), which must therefore necessarily be removed.

MATERIAL STORAGE

We recommend the boxes of hardwood flooring are stored in secure, dry and weather proof rooms and not placed directly on the ground. Open the boxes only as the flooring is being installed and no more than what is needed.

INSTALLATION SYSTEMS

Please follow directions below according to the installation system.

REVIVO

(Natural oil-wax product to nourish and protect Oleonature wood floors)

Revivo Listone Giordano® is a protective and renovating liquid: its regular use slows natural wear caused by foot traffic and restores an homogeneous appearance on the surface.

Before applying it, thoroughly clean the surface of the floor using Green Listone Giordano® in double dose according to the instructions above. Always use Revivo Listone Giordano® at temperatures above +15°C.

Shake very well.

Wait the floor will be well dry.

Spread a thin and homogeneous layer of the product according to the wood grain. Use a soft lint free cotton cloth that will not leave fibre residues underneath a long-handled floor brush or by hand.

In case of brushed or open pore floors we recommend to apply a limited quantity of Revivo Listone Giordano® because it could permeate the brushings or the pores making it difficult to be removed.

Once the product is applied, the floor's surface should have a slightly wet appearance.

After 1-2 hours the floor is dry and can be walked upon.

1 litre of product is sufficient for spreading a coat on a surface area of approximately 30 m².

Use this product approximately every 6 months in the first year after the installation of the hardwood flooring and every 12 months from the second year on.

We recommend more frequent maintenance operations in case of average and heavy-duty traffic environments.

VITANOVA

(Protective and renovating product for Invisible Touch finished hardwood floors)

Vitanova is a protective and renovating liquid: its regular use slows natural wear caused by foot traffic and restores an homogeneous appearance on the surface.

Before applying it, thoroughly clean the surface of the floor using Green Listone Giordano® in double dose according to the instructions above. Always use Vitanova Listone Giordano® at temperatures above +15°C.

Shake very well. Wait the floor will be well dry.

Spread a thin and homogeneous layer of the product according to the wood grain. Use a soft lint free cotton cloth that will not leave fibre residues underneath a long-handled floor brush or by hand.

In case of brushed or open pore floors we recommend to apply a limited quantity of Vitanova Listone Giordano® because it could permeate the brushings or the pores making it difficult to be removed.

Once the product is applied, the floor's surface should have a slightly wet appearance.

After 1-2 hours the floor is dry and can be walked upon.

The application of Vitanova Listone Giordano® helps to homogenize the floor; no other application is therefore required.

1 litre of product is sufficient for spreading a coat on a surface area of approximately 30 m².

Use this product approximately every 6 months in the first year after the installation of the hardwood flooring and every 12 months from the second year on.

We recommend more frequent maintenance operations in case of average and heavy-duty traffic environments.