

First Element®

Listone
Giordano®

Classic
Collection

Wood Species	French Oak
Origin	Burgundy, France
Support	Birch Plywood with Oak Top
Installation Type	Glued Down
Profile	Interlocking Tongue & Groove

Straight

Sizes

Width	Length x Width x Thickness / Top Layer
90	1200mm x 90mm x 11mm / 3.5mm
140	2400mm x 140mm x 14mm / 5mm
190	2400mm x 190mm x 14mm / 5mm
230	2400mm x 230mm x 14mm / 5mm

Herringbone

Sizes

Width	Length x Width x Thickness / Top Layer
90	800mm x 90mm x 11mm / 3.5mm

Chevron

Sizes

Width	Length x Width x Thickness / Top Layer
90	540mm x 90mm x 11mm / 3.5mm

Finishes Available

Oleonature – Natural oil-based, air-dried finish. Highly protective.

Invisible Touch – Colour, *Civita* only. *Civita* is only available in *Invisible Touch*, water-based varnish

Grades

Fibramix – Select grade featuring few and little knots.

Standard – Standard grade featuring small knots and wavier grain.

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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 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: 3 metre long straight edge should be placed on the subfloor, the maximum allowable tolerance is 3 mm.
- Concrete subfloor superficial structural strength: when hammering the surface no marks or deep cracking should appear.
- Concrete subfloor superficial compactness: 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.

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.

Glue Down Installation

Choose an adhesive that is compatible with the characteristics of the sub-floor and that won't transmit humidity to the wood (do not to use adhesives that contain water). Ecolfit is a one component adhesive recommended for all of our hardwood floors. The glue is to be applied homogeneously onto the whole subfloor surface (do not apply it on individual strip/board or discontinuously). Do not apply the glue directly underneath the boards.

Spread the adhesive on the subfloor only using a suitably notched trowel and lay the boards on top by interlocking them, if possible, using only a little pressure. The boards have to be joined only by hands avoiding the use of other tools (for instance the mallets) that can create damages on the surface and the corners of the boards.

During this operation take care not to allow adhesive into the joints or on the surface.

Around the entire perimeter of the interiors, including the point of junction with thresholds of other flooring materials, it is compulsory to form an expansion joint amplitude of about 10mm to be filled with appropriate skirting along the vertical walls and thresholds in connection with other joints in the floors.

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After Installation Protection

After the professional installation of your flooring, we highly recommend the use of temporary floor protection to be applied to ensure your flooring is protected and safe from stains, scratching or marking, until the project is completed.

If any damage occurs to your newly installed flooring, please contact us immediately before trying to treat or repair the flooring.

Instructions For Use

Use protective felt pads for furniture, chair legs, etc. Any armchair on castors should be covered with suitable rubber.

We recommend the use of a proper door matt to clean the shoes. Rugs and carpets should be removed from time to time especially soon after hardwood floor installation in order to avoid creating areas with different colour tone according to the natural oxidation of the wood. Objects with weight concentrated over small surface areas cause localised indentations in the surface of the wood. Rubber shoes soles leave dirty marks on the surface which can be difficult to remove. Do not to use sticky tape and adhesives materials on the surface because, in case of remaining for a prolonged time or with high temperature, they can leave marks difficult to remove. A slight darkening effect can appear in time in the deeper parts of the wood (brushings, sawings, etc.) due to the accumulation of the dust. Regular maintenance of the floor will reduce this appearance.

Cleaning & Maintenance

Never wash the floor with tap water only: it will not efficiently clean the surface of the floor and, moreover, the minerals contained in water may leave behind a residue that could affect the surface appearance of the floor.

Do not use liquids containing acid or basic concentrations, such as bleach or ammonia, which could create marks/halos on the wood that would be impossible to remove. For proper cleaning and maintenance we advice to use only the recommended cleaning products.

Everyday Cleaning

Green Bio - Green Bio is a specially formulated cleaning product for cleaning hardwood flooring, both varnished and natural oil & wax. Regular use of Green Bio will help to keep your hardwood looking in the best possible condition.

Maintenance

Revivo - is a maintenance product for **Oleonature** (natural oil & wax) hardwood flooring. It rejuvenates the finish and provides protection of the surface over time. It is simple and easy to apply after cleaning and regular use will help to maintain your Listone Giordano hardwood flooring in the best possible condition.

Vitanova - is a maintenance product for the protection of **Invisible Touch and Mattplus** finish hardwood flooring. Taking care of hardwood flooring has never been easier. It is simple and easy to use and can be applied by a non professional. Regular use of Vitanova increases protection and helps to restore the finish.

Certifications

First Element®



PEFC

The certification of the chain of custody stating the provenance of the products sourced from sustainable forests.



F-4 STARS

F-4 STARS

Listone Giordano wood floors comply to the most restrictive class F**** classification system on formaldehyde emissions defined by the Japanese Ministry of Land, Infrastructure, Transport and Tourism (MLIT).



The mark of responsible forestry

*Ask for FSC certified products ®

FSC®

Certification of the chain of custody ensures the raw material originate from forests managed according to strict environmental, social and economic standards.



French Certification

Emissions of Volatile Organic Compounds

All Listone Giordano products tested according to n°2011-321 French Decree have attained A+ rating, the highest among those in the Decree.



Formaldehyde

Listone Giordano fully complies to the class E1 limits, which is amongst the strictest European regulations currently in force (UNI EN 14342).



TÜV Proficert-Product Interior

It certifies that Listone Giordano 2-layer wood floors guarantee compliance with health and quality criteria selected by TÜV Hessen.

A voluntary certification specifically developed for construction products intended for indoor application.



ISO 14001

Certification of the environmental management system.

US TSCA

Certification CARB2 / TSCA Title VI

The plywood panels used for Listone Giordano wood floors are in compliance with US TSCA Title VI and CARB phase 2 Formaldehyde emissions.



ISO 9001

Certification of the Company's quality management system.



Toy certification

Listone Giordano finishes are approved according to standard EN71-3 which assures fitness for use in children's toys.



CE certification

Listone Giordano strictly complies to all CE rules related to wood floors.



Fire-proof reaction

The updated products list related to classes of fire-reaction is available on www.listonegiordano.com