

GENERAL INFORMATION

Before product selection, we recommend reading the following technical sheet:

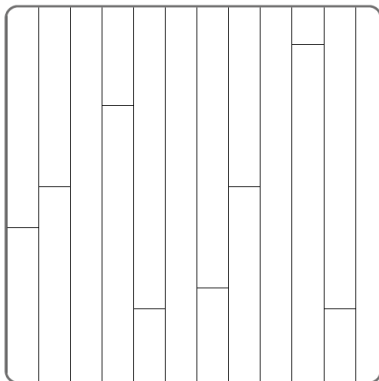
[IG 01 – GENERAL INFORMATION LISTONE GIORDANO](#)



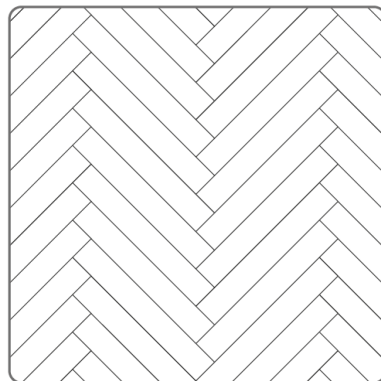
LISTONE GIORDANO® CLASSICA

High-end two-layers engineered hardwood floor with a top layer and crossed-fibres plywood support.

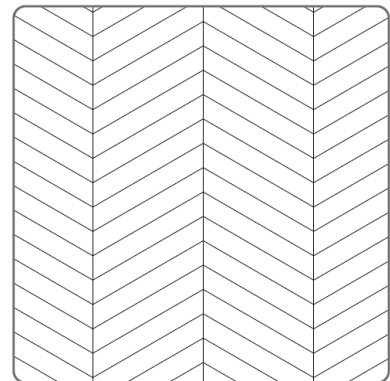
PATTERNS



REGULAR INSTALLATION



ITALIAN HERRINGBONE (90°)



CHEVRON PATTERN (60°)

The stack bond or aligned straight lay is always possible with every Listone Giordano® product but it is needed to communicate this choice when ordering.

OTHER TECHNICAL INFORMATION

<p>TOP-SUPPORT LAYER GLUING</p>	<p>Conforms to the requirements of the <i>class D4 of the UNI EN 204 regulation</i> Conforms to the requirements of the <i>JAS type II norm</i> (cycle made of 2 h in hot water at 70°C and then immediately 3 h in an airy stove at 60°C)</p>
<p>PROFILE</p>	<p>Interlocking tongues and grooves on 4 sides</p> <p>The products with Oak top layer Plank 140, 190 and 230 and Listone 140 and 190 are bevelled on all 4 edges in the various finishes except the Grisagle range (NaturPlus2 Matt finish) that has square edges.</p> <p>The products with Oak top layer Listone 140 Herringbone, Prima 140 and 190, Prima flottante 140 and 190 and Listone flottante 140 and 190 are available only bevelled on all 4 edges, except in the Grisagle range where they are available only with square edges.</p> <p>The products with Oak top layer Listone 90 and Listone 70 are available only with square edges.</p> <p>The products with top layer in other wood species can be available with square edges or with bevel on all 4 sides: consult the current Price list to verify the availability</p>

WOOD SPECIES

WOOD SPECIES	NATURAL VEGETATION AREA	HARDNESS
Oak*	European forests	High
Cabreuva km31	Paraguay, Brazil and Argentina outside amazon forest	Very high
Iroko	Mid-western equatorial zone of the African continent	Medium/High
Teak	Southern Asia and the Indian peninsula	High
American Walnut	Juglans nigra – North and east America	High
Doussié	Equatorial band in the central-western area of the African continent	Very high
Morado	South American forests, especially in Brazil and Bolivia	Very high
Jatoba	Tropical-equatorial zone that goes from Bolivia to Mexico	Very high
Wenge	Central-south eastern African equatorial band	Very high

* available in natural version, Michelangelo range and Grisaglie range

SPECIFICATIONS

PRODUCT	WIDTH	LENGTH*	TOTAL THICKNESS	TOP LAYER	SUPPORT	FITTING SYSTEMS	WEIGHT						
Plank 230	230 mm	from 1500 to 2300 mm	14,0 mm	5,0 mm	multilayer Birch plywood	glued	10,5 Kg/m ²						
Plank 190	190 mm	from 1500 to 2300 mm											
Plank 140	140 mm	from 1200 to 2100 mm											
Listone 190	190 mm	from 1500 to 2100 mm	12,5 mm	3,5 mm			multilayer Birch plywood	glued	9,4 Kg/m ²				
Listone 140	140 mm	from 1200 to 2100 mm											
Listone 140 Italian Herringbone 90°	140 mm	890 mm											
Listone 140 Chevron Pattern 60°	140 mm	835 mm	10,0 mm	2,5 mm					multilayer Birch plywood	glued	7,6 Kg/m ²		
Prima 190 (B)	190 mm	from 1500 to 2100 mm											
Prima 140 (B)	140 mm	from 1500 to 1800 mm											
Prima 140 smart (B)	140 mm	from 800 to 1200 mm	11,0 mm	3,5 mm							multilayer Birch plywood	glued	8,2 Kg/m ²
Listone 90 (B)	90 mm	from 600 to 1200 mm											
Listone 90 Italian Herringbone 90° (B)	90 mm	590 and 800 mm											
Listone 90 Chevron Pattern 60° (B)	90 mm	540 mm											
Listone 70 (B)	70 mm	490 and 600 mm											
Listone 70 Italian Herringbone 90° (B)	70 mm	490 and 600 mm	9,0 mm	3,5 mm	multilayer Birch plywood	glued							6,9 Kg/m ²
Corona 70	70 mm	from 350 to 600 mm											
Prima 190 (P)	190 mm	from 1200 to 2100 mm											
Prima 140 (P)	140 mm	from 1200 to 1800 mm	11,5 mm	2,5 mm			multilayer Conifer plywood	glued					7,6 Kg/m ²
Prima 140 Smart (P)	140 mm	from 800 to 1200 mm											
Listone 90 (P)	90 mm	from 600 to 1200 mm											
Listone 90 Italian Herringbone 90° (P)	90 mm	590 and 800 mm	12,5 mm	3,5 mm					multilayer Conifer plywood	glued			7,6 Kg/m ²
Listone 90 Chevron Pattern 60° (P)	90 mm	540 mm											
Listone 70 (P)	70 mm	420 and 600 mm											
Listone 70 Italian Herringbone 90° (P)	70 mm	420, 490 and 600 mm											
Listone flottante 140	140 mm	from 1200 to 2300 mm	15,0 mm	3,5 mm							multilayer Spruce plywood	floating / nailed / glued	8,0 Kg/m ²
Listone flottante 190	190 mm	from 1200 to 2300 mm											
Prima flottante 190	190 mm	1500 and 1800 mm	14,0 mm	2,5 mm	multilayer Spruce plywood	floating / nailed / glued							7,3 Kg/m ²
Prima flottante 140 smart	140 mm	1200 mm											

* The products are supplied in one length or random lengths, according to availability.

The material supplied may incorporate up to 10% of shorter lengths compared to those mentioned in the specifications

(B) multilayer Birch plywood support

(P) multilayer Conifer plywood support

To verify the availability of the various versions of Listone Giordano® products, consult the current Price list.

All the products of the collection Listone Giordano® Classica comply with the requirements of the European Norm UNI EN 13489:2018 "Wood-flooring and parquet - Multi-layer parquet elements"

GRADES

Listone Giordano® Classica products are available in the following grades:

- Elegant (Fibramix)
- Standard
- Charme (Country)

To know the necessary information about grades see the appropriate sheet:

[GC 01 - GRADES LISTONE GIORDANO](#)



FINISHES AND SURFACE PROCESSING

Listone Giordano® Classica products are available with the following finishes:

- XPlus2
- NaturPlus2
- NaturPlus2 Matt
- MattPlus
- Invisible Touch
- Oleonature

To know the necessary information about finishes and surface processing see the appropriate sheet:

[FP 01 - FINISHES AND SURFACE PROCESSING LISTONE GIORDANO](#)



INSTRUCTIONS FOR INSTALLATION

The installation of the Listone Giordano® Classica products can be glued down, nailed or floating according to the indications in the table at page 1.

To know the necessary information about laying see the appropriate sheet:

[DL 01 - INSTRUCTIONS FOR INSTALLATION LISTONE GIORDANO](#)



CLEANING, USE AND MAINTENANCE

The Listone Giordano® Classica product finishes need specific cleaning and maintenance, in accordance with appropriate instructions to be taken into account.

To know the necessary information about cleaning, use and maintenance see the appropriate sheet:

[CM 01 - CLEANING, USE AND MAINTENANCE LISTONE GIORDANO](#)



CERTIFICATIONS



BIOSPHERA

Biosphera is a marking system based upon Listone Giordano®'s green procurement policy to provide consumers with brief, clear and useful information on the origin of raw materials. Many products of the collection Listone Giordano® offer both in their top layer and in their support the *Biosphera certified* mark that identifies raw materials whose forestry management is certified according to recognized standards at the international level (FSC®, PEFC, SFI, OLB, LEI, etc.) or the *Biosphera controlled* mark that identifies raw materials whose legal sourcing and forestry management, although not yet certified, is backed up by specific audit and related papers.



FSC®

FSC® is dedicated to the promotion of responsible forest management worldwide. Ask for FSC® certified products.



PEFC

Chain-of-Custody Certification, which guarantees that products are sourced from sustainably, managed forests.



CE MARK

All the products of the collection Listone Giordano® strictly comply to all CE rules regarding hardwood floors.



TOY CERTIFICATION

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



AIR EMISSIONS

French certification of 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

All the products of the collection Listone Giordano® comply to the class E1, which is amongst the strictest European regulations (UNI EN 14342).

US TSCA

CARB2 / TSCA TITLE VI CERTIFICATION

All plywood panels used for the manufacturing of Listone Giordano® floors meet the requirements established by US TSCA Phase 2 standards for Formaldehyde emissions with limits lower than the most restrictive European class, that's to say the E1.



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).



ANTI-BACTERIAL FINISH CRYSTALCARE

All the XPlus2, NaturPlus2, NaturPlus2 Matt, MattPlus, Invisible Touch and Oleonature finishes are antibacterial certified by CATAS S.p.a. laboratories according to ISO 22196:2007 regulation.



TÜV PROFICERT - PRODUCT INTERIOR

It certifies that all the Listone Giordano® 2-layer wood floors are complaint with the most stringent health and quality criteria selected by TÜV HESSEN (PREMIUM level).

It's a voluntary certification specifically developed for construction products for interiors.



ISO 9001

Quality Management System certification.

ISO 14001

Environmental Management System certification for the Miralduolo di Torgiano (PG) factory.



ISO 45001

Certification of Occupational Health and Safety Management System.

MADE IN

All the products of the collection Listone Giordano® are Made in Italy.



FIRE REACTION CERTIFICATION

In the following table, you can find fire reaction classes of the various products:

PRODUCT	FINISH	FIRE REACTION CLASS (according to the requirements of the EN14342 regulation on the CE mark)
Plank 140 Plank 190 Plank 230	XPlus2	Oak, Cabreuva km31, Walnut, Morado: Cfl-s1 Other wood species: Dfl-s1
	NaturPlus2 Invisible Touch	Oak: Cfl-s1 Other wood species: Dfl-s1
	MattPlus NaturPlus2 Matt	Oak: Cfl-s1
	Oleonature	Oak: Cfl-s1 On demand Walnut fireproof oil: Cfl-s1 Other wood species:
Listone 140 Listone 140 Italian Herringbone 90° Listone 140 Chevron Pattern 60° Listone 190	XPlus2	Oak, Cabreuva km31, Walnut, Morado: Cfl-s1 Other wood species: Dfl-s1
	NaturPlus2	Oak: Cfl-s1 Other wood species: Dfl-s1
	MattPlus NaturPlus2 Matt	Oak: Cfl-s1
	Invisible Touch	on demand Oak fireproof varnish: Cfl-s1 Other wood species: Dfl-s1
	Oleonature	on demand Oak and Walnut fireproof oil: Cfl-s1 Other wood species: Dfl-s1
Prima 140 (B) Prima 140 Smart (B) Prima 190 (B)	XPlus2 NaturPlus2	Oak and Teak: Cfl-s1 Other wood species: Dfl-s1
	MattPlus NaturPlus2 Matt	Oak: Cfl-s1
	Invisible Touch	on demand Oak fireproof varnish: Cfl-s1 Other wood species: Dfl-s1
	Oleonature	on demand Oak and Walnut fireproof oil: Cfl-s1 Other wood species: Dfl-s1
Prima 140 (P) Prima 140 Smart (P) Prima 190 (P)	NaturPlus2 MattPlus	Dfl-s1
	NaturPlus2 Matt	Oak: Cfl-s1
	Invisible Touch	on demand Oak fireproof varnish: Cfl-s1 Other wood species: Dfl-s1
	Oleonature	on demand Oak and Walnut fireproof oil: Cfl-s1 Other wood species: Dfl-s1
Prima flottante 140 smart Prima flottante 190 Listone flottante 140 and 190	NaturPlus2	Oak: Cfl-s1 Other wood species: Dfl-s1
	Invisible Touch	Dfl-s1
	Oleonature	on demand Oak fireproof oil: Cfl-s1 Other wood species: Dfl-s1
Listone 70 (B) Listone 70 Italian Herringbone 90° (B) Corona 70 Corona 70 Italian Herringbone 90° Listone 90 (B) Listone 90 Italian Herringbone 90° (B) Listone 90 Chevron Pattern 60° (B)	XPlus2	Oak, Cabreuva km31, Walnut, Morado: Cfl-s1 Other wood species: Dfl-s1
	NaturPlus2	Oak and Corona 70 Doussié and Iroko: Cfl-s1 Other wood species: Dfl-s1
	MattPlus NaturPlus2 Matt	Oak: Cfl-s1
	Invisible Touch	on demand Listone 70 and 90 Oak fireproof varnish: Cfl-s1 Other wood species: Dfl-s1
	Oleonature	on demand Listone 70 and 90 Oak and Walnut fireproof oil: Cfl-s1 Other wood species: Dfl-s1
	XPlus2	Dfl-s1
NaturPlus2		
MattPlus		
NaturPlus2 Matt		
Invisible Touch		
Oleonature		

TS 01 – October 2023

Cfl-s1 class for glued down installation is valid in case of gluing on non-combustible substrate; it is also valid in case of gluing, using Ecolfit® Listone Giordano®, on underlay 4 mm thick composed of fibres and granules of SBR compacted by a polyurethane adhesive (mass per area unit $2,9 \pm 0,2 \text{ kg/m}^2$) in a hot process, itself glued on non-combustible substrate using Ecolfit® Listone Giordano®.

Cfl-s1 class for floating installation is valid in case of installation on underlay IsolDrum Top Isolmant loose-laid on non-combustible support.