



Italiana Parquet

TECHNICAL DATA SHEET _ ITALIANA PARQUET _ MATERICA

Please read this document carefully before confirming your choice of product

ITALIANA PARQUET _ MATERICA

Two-layer wood floor consisting of an exposed element and a backing element made of cross-laminated wood.

DIMENSIONAL CHARACTERISTICS _ OAK

Product	Width mm	Lengths mm*	Total thickness mm	Exposed element thickness mm	Backing element	Laying system	Weight kg/m2
HERRINGBONE 70/90°	70	490/600	12.50	3.50	Coniferous multilayer	glue down	7.438
HERRINGBONE 90/45°	90	500	12.50	3.50		glue down	7.438
PLANK 140	140	1200/2100	12.50	3.50		glue down	7.438
PLANK 190	190	1500/2300	15.00	3.50		glue down floating	10.080
PLANK 230	230	1500/2300	15.00	3.50		glue down floating	10.080

DIMENSIONAL CHARACTERISTICS _ TEAK

Product	Width mm	Lengths mm*	Total thickness mm	Exposed element thickness mm	Backing element	Laying system	Weight kg/m2
PLANK 140	140	1200/2100	12.50	3.50	See above	glue down	8.288

DIMENSIONAL CHARACTERISTICS _ AMERICAN WALNUT

Product	Width mm	Lengths mm*	Total thickness mm	Exposed element thickness mm	Backing element	Laying system	Weight kg/m2
PLANK 190	190 mm	1200/2100 mm	15.00 mm	3.50 mm	See above	glue down	9.930

* Products are usually supplied in mixed lengths, subject to availability. Possible presence of 10%_12% shorter lengths.
All Italiana Parquet MATERICA floors comply with UNI EN 13489 "Wood flooring – Multilayer elements with interlocking".

INSTALLATION PATTERNS

Running laying _ 90° Italian Herringbone _ 45° French Herringbone

For finger-jointed laying (with aligned heads) or fixed length requests, we recommend a prior comparison with our sales department to verify feasibility, in relation to the raw material available at the time of order, and price.

OTHER CHARACTERISTICS

HARDWOOD _ BACKING GLUING:

° meeting the requirements of Class D4 of standard UNI EN 204
° meeting the requirements of standard JAS type II
(cycle consisting of 2 hours in water at 70°C and immediately afterwards 3 hours in a ventilated laboratory oven at 60°C)

INTERLOCKS/PROFILE:

tongue-and-groove joints on 4 sides
PLANK 140, 190 and 230 products are bevelled on 4 sides
HERRINGBONE 70/90° and 90/45° products are worked with sharp edges

WOODS

SPECIES	ORIGIN	HARDNESS
Oak	Europe	HIGH
Teak	South Asia	MEDIUM
Walnut (Canaletto Walnut)	Eastern United States	HIGH

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SELECTIONS

The colours of the MATERICA collection may be available in the following selections (check the assortment in the price list in force at the time of the order; what is proposed has been selected to maximise the characteristics of the wood in the colour proposed):

Elegante: Straight, wavy, oblique and flame grain. Possible presence of small healthy knots and speckling (characteristic feature of quality Oak). Fairly uniform tone. Slight differences in tone possible on lighter colours or natural oil finishes.

Vivace: Straight, wavy, oblique and flamed grain. Presence of knots, small fillings and speckling (characteristic feature of quality Oak); small stains typical of the species, possible differences in tone.

Naturale: Predominantly flame and interlocked grain; sound and/or filled knots of all sizes and colours, filled cracks, fibre tears, speckling, discolorations. Some strips may show traces of sapwood.

COLOURS and FINISHES

COLOUR	ESSENCE	FINISH	MADE IN	COLOUR	ESSENCE	FINISH	MADE IN
MA01	French oak	Wax effect	ITALY	MA14	French oak	Natural oil	ITALY
MA02	French oak	Wax effect	ITALY	MA15	French oak	Natural oil	ITALY
MA03	French oak	Wax effect	ITALY	MA16	French oak	Natural oil	ITALY
MA04	French oak	Wax effect	ITALY	MA18	French oak	Natural oil	ITALY
MA05	French oak	Wax effect	ITALY	MA19	French oak	Natural oil	ITALY
MA06	French oak	Wax effect	ITALY	MA20	French oak	Wax effect	ITALY
MA07	French oak	Wax effect	ITALY	MA21	French oak	Wax effect	ITALY
MA08	French oak	Wax effect	ITALY	MA22	Asian Teak	Natural oil	ITALY
MA09	French oak	Wax effect	ITALY	MA23	American walnut	Natural oil	ITALY
MA10	French oak	Wax effect	ITALY	MA24	French oak	Natural oil	ITALY
MA11	French oak	Natural oil	ITALY	MA25	French oak	Wax effect	ITALY
MA12	French oak	Natural oil	ITALY	MA26	French oak	Natural oil	ITALY
MA13	French oak	Natural oil	ITALY				

Wax effect

Finish based on acrylic resins, UV drying, with 100% dry residue (no solvents), designed to achieve high resistance to abrasion, elasticity of the varnish film, anchorage to the wood, transparency. Before application of the finish, the wood surface is subjected to a brushing treatment, which removes the softer parts, enhances the grain and authenticity of the wood by highlighting the pores and structure of the material. The reflectance, depending on the product, varies from about 7 glosses to about 3-5 glosses for the more natural and matt-looking references.

Natural Oil

Finishes based on air-dried natural oils. In some versions the oils contain colour pigments.

Before the finish is applied, the wood surface is subjected to a brushing treatment, which removes the softer parts, enhances the grain and authenticity of the wood by highlighting the pores and structure of the material. Thanks to a special final protective treatment applied in the last coat, this finish is characterised, compared to normal oil finishes, by easy maintenance and good resistance to the penetration of liquids commonly used in the home.

The natural oils continue to penetrate the wood even after application, while the material is inside its packaging. It is therefore possible that, at the time of laying, the product presents a particularly "dry" surface in some areas. In this case it is sufficient to intervene, immediately after laying, by applying the appropriate maintenance product.

All the finishes listed above adopt antibacterial technology.

THERMAL RESISTANCE _ THERMAL CONDUCTIVITY

PRODUCT	STRUCTURE	ESSENCE	BACKING	THERMAL RESISTANCE	THERMAL CONDUCTIVITY
Herringbone 70/90°	2 layers	Oak	Phenolic coniferous multilayer	0.090 m2 K/V	0.14 W/mK
Herringbone 90/45°	2 layers	Oak		0.090 m2 K/V	0.14 W/mK
Plank 140	2 layers	Oak		0.090 m2 K/V	0.14 W/mK
Plank 190	2 layers	Oak		0.109 m2 K/W	0.14 W/mK
Plank 230	2 layers	Oak		0.109 m2 K/W	0.14 W/mK
Plank 140	2 layers	Asian Teak		0.091 m2 K/W	0.14 W/mK
Plank 190	2 layers	Amer. walnut		0.110 m2 K/W	0.14 W/mK

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LAYING INSTRUCTIONS

Installation must only be carried out by professional and trained personnel. The product must only be removed from its packaging at the time of laying, which must take place in suitable environments with window and door frames installed and completely dry plaster. Before beginning the laying of any wooden floor, always check the suitability, compactness, flatness and condition of the substrate, the humidity of the screed, the environment and the wood itself. Measurements must be within the prescribed standards and must be carried out using a calcium carbide hygrometer for cement screeds (max. moisture content 2.0%) and for anhydrite screeds (max. moisture content 0.4%) and with an electronic hygrometer with electrodes for wood panels (max. moisture content 10.0%). Lay at a temperature between 15°C and 28°C and a room humidity between 45% and 60%. Glue residues must be removed from pre-finished floors before drying and with specific products suitable for each type of finish. Ventilate the rooms after laying.

For laying use silane adhesives only and not two-component adhesives, which could irreversibly compromise the quality of our finishes, especially if they are natural oiled. Do not use aggressive solvents on Italiana Parquet finishes to remove any glue residues.

Any complaints must be raised within 8 days of receipt of the goods by registered mail with return receipt.

If individual planks are found to have defects of any kind, they must be set aside and installation must be suspended immediately in the most serious cases. Laying of the material implies its acceptance. Italiana Parquet will remove and replace all those elements that cannot be used, if proven unsuitable.

Laying on heated/cooled surfaces

In the presence of a heated/cooled screed, scrupulously follow the particular and specific laying procedures for this type of substrate, checking in advance that the system is functioning perfectly and that there are no water and/or steam leaks. Before laying, it is essential to carry out the cycles (two are recommended) for switching on the system. Glue-down laying. The heating system must always be switched on gradually.

Storage, handling instructions

The products must be stored in a dry place suitable for storing wooden floors at a temperature between 15°C and 28°C and a room humidity between 45% and 60%, away from heat sources and with packaging intact.

The material must be handled with the utmost care and attention, especially on edges and joints. Floors supplied already treated with oil should not be stored for more than 30 days, as the finish may be altered due to prolonged storage in the packaging.

CLEANING, USE AND MAINTENANCE

MATERICA collection finishes require specific cleaning and maintenance. Please follow the instructions below for correct use. For maintenance, Italiana Parquet recommends the use of only products with a formulation specifically designed for our finishes, in particular for floors treated with natural oil. The methods of use are illustrated below:

SAPONE BIO

Mild detergent for cleaning wooden floors with UV-cured varnish, natural oil or oxidative oil finishes (for frequent use).

Ideal for cleaning all varnished and oiled Italiana Parquet wooden floors. Removes dirt, sanitises, degreases without leaving marks on the surface.

With antistatic action to counteract the attraction and accumulation of dust and keep the floor clean for longer. Pleasant appearance and clean feeling.

Based on vegetable-origin surfactants (derived from beet, coconut oil, wheat) that are fully biodegradable (in accordance with EC Regulation 648/2004). Minimises environmental impact and avoids allergies and contact sensitivities (except for persons allergic to the specific components).

Preliminarily remove non-adherent dirt with a Hoover equipped with a specific brush for parquet made entirely of bristles which will not damage the floor surface.

After shaking the bottle well, dilute two measuring caps (approx. 100 ml) of product in a bucket containing 5 l of water. Soak a cloth (preferably microfibre for parquet), wring it out well and mop it over the floor. We recommend using our microfibre cloth or a soft cloth that does not leave any fibre residue. No rinsing required.

1 l of product is sufficient for approx. 8-10 washes on a surface of 100 m².

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In the case of very stubborn dirt, wash with a double concentration (4 dosing caps in 5 l water).

Never exceed this concentration and do not repeat this operation (washing with double concentration) too often, as this could lead to premature surface ageing.

When using machines of any kind to wash the floor, make sure beforehand that they will not damage the surface of the parquet.

Once the packaging has been opened, the liquid can be used within 12 months.

The bottle is largely made of recycled material and can be disposed of in the plastic bin.

In the same concentrations, Italiana Parquet **Sapone Bio** is also effective on any other hard surface in the home (ceramic, porcelain stoneware, terracotta, etc.). It is always advisable to assess its effect on a small hidden portion before use.

TONICO

Natural, water-based oil solution to nourish and protect wooden floors with a natural oil or oxidative oil finish. Its regular use makes it possible over time to preserve the homogeneity of the surface stressed by treading and general use and to restore the special final protective treatment applied in the last coat in the natural oil finish.

Natural oils have the characteristic of continuing to penetrate into the wood even after the finish has been applied.

When the floor, observed from a backlit window position, begins to show the first signs of wear or dryness and washing with **Sapone Bio** will no longer be able to restore the usual homogeneity and surface protection, it is advisable to apply **Tonico**.

Before applying the product, vacuum and then thoroughly wash the floor with a double dosage of **Sapone Bio** used according to the instructions above.

For the correct application of the **Tonico**, make sure the room temperature is above 15°C. If the room temperature is above approx. 25°C or if there is strong ventilation or exposure to direct sunlight, the product drying time may be reduced and more care may be required when applying.

Shake the bottle well (until any deposits are completely dissolved).

When the floor is dry, distribute the pure **Tonico** on the floor in the direction of the wood grain, taking care to spread a thin film evenly using a microfibre cloth pulled by a mop. Homogenisation can also be carried out by hand on small surfaces (without using a mop).

Do not exceed the amount of **Tonico**, as an excess of product that penetrates into the wood grain may be difficult to remove. When the product is applied, the appearance should be that of a slightly wet surface.

The floor will be dry and can be walked on after approx. 1-2 hours (depending on air temperature and room ventilation). Do not carry out any subsequent washing until about 2 days have elapsed.

The application of **Tonico**, as described above, directly gives the floor surface the right homogeneity and therefore it is not necessary to polish or carry out further operations on the surface.

The product should be used in maintenance operations at least once every 6 months and in any case should be applied when the surface of the parquet, when observed from a backlit window position, begins to show the first signs of surface depletion, a certain dryness or tends to retain dust and dirt or to have a lower resistance to liquids.

Rooms with higher foot traffic require more frequent maintenance with medium to high traffic density.

It is advisable to apply the **Tonico** immediately after laying, following the instructions above.

1 litre of product is sufficient for the application of one coat on approx. 25-30 m² of surface.

None of the above products are classified as hazardous nor as flammable. However, please keep them out of the reach of children. The product will keep for two years if stored unopened in its original packaging in a cool place, protected from frost and UV radiation. Avoid contact with eyes. In the event of contact with the eyes, rinse immediately with plenty of water. The requirements reported on the sheet derive from Company research and direct experience and are valid in general, given the impossibility of predicting all environmental and application variables.

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General information

Flooring subject to colour change due to exposure to sunlight. This variation is related to the species of wood, the type of finish and the amount of sunlight received. In some wood species, the presence of small concretions is characteristic of wood.

Wood is a natural material, characterised by variations in tone and absorption capacity that can differ from board to board, and sometimes even within the same board. These colour differences remain visible even after the application of pigmented finishes, testifying to the authenticity and uniqueness of each individual element. Over time, wood tends to change its colour due to exposure to light and air. As a result, a newly installed floor may present a different look and tone than a sample of the same product that has been exposed to light for an extended period. LO04, LO22 and LO28 products, due to the special manufacturing process, may show more pronounced colour variations due to the special manufacturing process. Over time, the appearance may even out and lighten naturally.

Disposal methods

Discontinued or unused products should not be disposed of in the environment but instead taken to the local public disposal systems in accordance with current regulations.

Notes

The material is intended for professional use only for flooring of flat surfaces. Any other use could compromise the functionality of the product.

Warnings on use

Maintain a constant air humidity of between 45% and 60% in the room.

With regard to the air temperature, it is advisable never to drop below 15°C in the coldest period and to not exceed 30°C in the warmest period. Please also bear in mind that these ranges correspond to conditions of well-being not only for wood flooring but also for human beings.

Outside of these parameters, which are also not optimal for personal health and well-being, especially with a relative air humidity of less than 40%, phenomena that are typically attributable to wood shrinkage may occur, such as the deformation of the cross-section of the strips (concave buckling), the formation of cracks between the strips or even the formation of fractures within the individual strips.

To comply with the conditions prescribed above, it may be necessary to use humidification/dehumidification systems, especially if there is air conditioning with a radiant floor heating system.

Failure to comply with the conditions prescribed above may result in permanent damage to the floor.

Even if the recommended climatic conditions are complied with, the appearance over time of a few small cracks in the visible layers is a natural and statistically unavoidable phenomenon.

Practical tips for use

- Vacuum the floor regularly.
- Do not use tap water alone to wash floors. In addition to not performing an effective cleaning action, the mineral residues it contains could settle on the surface, altering its shine.
- For daily cleaning, if necessary, always use water with the specific detergent **Sapone Bio** by Italiana Parquet, mopping the floor with a well wrung microfibre cloth. When used dry, microfibre cloths are effective dust catchers (do not wash the cloth using fabric softener).
- Never use cleaning liquids that are unsuitable, aggressive and/or contain significant acid or basic concentrations, such as ammonia, bleach, muriatic acid, alcohols, solvents, etc., which, due to their aggressiveness, can create indelible stains/halos on all finishes, especially on floors with a matt wax and oil finish.
- Use only flat, well wrung-out microfibre cloths for cleaning (never too wet) and do not utilise any system other than this.
- Use a Hoover frequently to prevent dirt from getting into the wood grain; never wash the floor without vacuuming it first.

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- Under no circumstances should adhesive tapes, scotch tape, etc. be applied to the floor surface.
- In the event that the floor needs to be protected from damage due to work to be carried out, cover the parquet floor with non-woven fabric only. Do not use cardboard, bubble wrap, etc.
- Quickly clean up any accidental spills of strongly staining substances (wine, coffee, etc.).
- In office environments, equip chairs with wheels suitable for wooden floors (hard rubber) or place a mat between the chair and the floor.
- In household environments, equip tables, chairs, furniture, etc. with suitable felt pads.
- Pushchair wheels and rubber objects in general parked on wooden floors can cause some components of the rubber to migrate to the floor and may be difficult to remove. Some rubber shoe soles can cause marks on the surface (streaks) that are difficult to remove.
- To mitigate the formation of areas of different colour due to the natural oxidation of wood, it is advisable to move rugs periodically, especially in the first period of use of the floor.
- Avoid the use of coconut fibre rugs, woven fibre rugs or rugs with anti-slip solutions applied to the part in contact with the wood; friction may damage the surface of the parquet over time.
- Objects that exert their weight onto small floor surfaces may cause localised deformation of the wood (dents).
- Hollowed-out parts of the surface such as brushing, sawing, etc. may show a slight darkening over time due to the accumulation of impurities within them. Proper maintenance of the floor significantly reduces this phenomenon.
- Wear due to treading tends to change the gloss and integrity of the finish over time, especially in areas subject to heavy traffic. This phenomenon is unavoidable but can be mitigated with proper maintenance.
A change in gloss can also be caused by repeated vigorous rubbing, for example when attempting to remove a stain.
- In the Italiana Parquet MATERICA product range, the floor may be subject to a different kind of wear due to the surface processing, more accentuated in correspondence of the ridges, less accentuated near the hollows and therefore requiring more care during maintenance.
- In the case of underfloor heating systems, in addition to compliance with temperature and humidity requirements, it is essential that the floor surface temperature does not exceed 27°C when the system is switched on.
To avoid this limit being exceeded, it is recommended not to cover the floor with thick carpets or materials with a high thermal resistance.
- Products treated with natural oil-based finishes, as well as all bleached paint finishes, may undergo a slight yellowing if stored for a long time inside the packaging or if not exposed to light and air.
This is a completely normal and non-permanent change. Simply expose the boards to air and direct sunlight for the yellowing to recede, and the product will return to its original appearance in a short time.

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CERTIFICATIONS

Italiana Parquet relies on the integrated management of the entire wood processing chain, from the forest to the finished product. The raw materials used are exclusively European Oak and Ash.

Moreover, Italiana Parquet uses strictly controlled raw materials, including with regard to the collateral products necessary for the creation of the finished product, such as adhesives and paints, fully respecting the European limits regarding Formaldehyde and VOCs.



Italiana Parquet meets the requirements of the CE marking regulations for wooden floors.



All multilayer panels used for Italiana Parquet floorings meet the requirements of the TSCA Title VI and CARB phase 2 standards for Formaldehyde emissions.



Italiana Parquet fully complies with the limits set by class E1, the most restrictive of the classes defined by current European standards (UNI EN 14342).



All products are compatible with heating and cooling substrates, provided that they are laid bonded and the temperature and humidity requirements are strictly adhered to.

When choosing a product, please read the information in the technical data sheet.

The fire reaction class of products in the MATERICA collection is Cfl-s1 for glued down installation with our silane adhesive.

Italiana Parquet reserves the right to make technical, dimensional and aesthetic variations to the proposed products as well as to eliminate or replace some articles. This shall not constitute a right on the part of the purchaser for repetition of the removed or modified products.

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