

## Pre-finished Oak Essential - Neutro

### 2-Layers wide planks | 13mm

**WOOD/BOTANIC NAME**

Oak / Quercus petrea Liebl.

**ORIGIN**

Europa: Croazia, Polonia, Romania

**PARQUET MADE IN ITALY****CLASSIFICATION OF THE WOOD SPECIES ACCORDING: EN 13489.2018 (E)\***Quality + Class: ☐ Extra ● ☒ Natura ▲ ☐ Rustica ■**Prefinished Multilayers Elements with T&G**

Thickness: 13 mm Single width: 118/120/125 mm Random lengths: 600/1300 mm

Top layer: Hardwood 4mm\*

Supporting layer: Birch plywood 9mm

\* All sizes above mentioned are considered as nominal value and in millimeters the tolerance is about  $\pm 0,5\text{mm}$ **TREATMENTS AND FINISHINGS**

Brushed, UV water based lacquered, bevelled on the 4 sides with the addition of an extreme-strong abrasion additive

**Gloss**

10 (+/-5)

**INSTALLATION**

To be glued on screed using a 2-components glue.

Products are compatible with underfloor heating and cooling system.

**CE Marked**

In accordance to UNI EN 14342:2013

TYPE OF TEST	VALUE	TYPE OF TEST	VALUE
FIRE REACTION TESTS	CFL s1	HEAT RESISTANCE	0,093 K/W
FORMALDEHYDE EMISSION	E1 < 0,01 ppm	DENSITY	> 760 Kg/m <sup>3</sup>
CONTENTS OF PENTACHLOROPHENOL	< 5 ppm	BIODEGRADABILITY	Class 1

Warranty, within the meaning and for the purpose of **European directive 44/99/CE** and **Italian Legislative decree n. 206/2018**.

\* Detailed Rules inside the BERTI PRICE LIST

\*\* Small percentage % in length are allowed

**BERTI PAVIMENTI LEGNO S.N.C. DI BERTI GIANCARLO & C.**

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For 3 generations the Italian excellence in the production of wooden floorings. Get to know the quality of our products: pre-finished 2 and 3-layer, pattern floors, inlaid floors, bathroom top, wall coverings. All made with advanced production techniques characterized by systematic quality controls. Care and attention also extend to pre and after-sales services such as the design of customised products, installation and maintenance.

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**MATERIAL INSPECTION**

The material must be inspected upon delivery. The use or sale of the material constitutes acknowledgment of its conformity to the contractual specifications. Should any defects become apparent during installation, work must be immediately suspended, and the supplier must be informed; otherwise, all rights will be forfeited.

**INFORMATION ON WOOD SPECIES**

As wood is a natural material, it inherently contains variations in color and grain, meaning that each element is unique even within the same batch. Samples or photographic reproductions must therefore be considered indicative and not binding. The supplied elements may differ from the samples, since wood tends to undergo chromatic variation once exposed to light. "Bleached," "pickled," brushed, or stained elements may show tonal irregularities.

Although all wood species commonly used for wooden flooring have hardness values that ensure the required performance, installed elements may dent due to impact, falling objects, or concentrated loads applied to small surfaces.

**INSTRUCTIONS BEFORE INSTALLATION OF THE FLOORING**

Store the original packages in clean, dry environments. Open the packages only immediately before installation, ensuring that the room temperature is at least 15°C and the relative humidity is between 45% and 60%.

The subfloor must be: protected from moisture infiltration and condensation; dry, with a residual humidity not exceeding 2.0% for cement screeds and 1.7% for heated cement screeds; not exceeding 0.5% for anhydrite screeds and 0.2% for heated anhydrite screeds (measured with a CM device according to UNI 10329); solid; compact; rigid; flat and clean, with no surface dust formation.

For heated screeds, the heating system pre-heating cycle must be carried out and documented. For installation over existing ceramic or marble surfaces, adequate surface preparation is required. Do not install over substrates containing residues of old adhesives. It is recommended to check the moisture content of the wood elements before installation using an electronic hygrometer, in accordance with UNI EN 13183-2/3.

The installer is responsible for performing all necessary checks before proceeding with installation, as required by UNI 11265.

**INSTRUCTIONS FOR INSTALLATION OF THE FLOORING**

Installation must be carried out by qualified installers, in compliance with UNI 11265:2015. During installation, take elements from several packages simultaneously. Use only adhesives specifically designed for prefinished wooden floors.

Leave a perimeter expansion joint of at least 8 mm along walls, vertical elements, and adjacent floorings, to allow for natural wood movement. Apply the adhesive with a notched trowel over the entire surface of the subfloor, following the manufacturer's instructions. Avoid adhesive overflow along edges and joints. Clean any adhesive residue immediately using appropriate cleaners.

**CHARACTERISTICS AND BEHAVIOR OF THE INSTALLED MATERIAL**

Over time, due to exposure to environmental agents and/or unsuitable microclimatic conditions, the wood floor may undergo changes affecting its initial aesthetic and structural properties.

Optimal microclimatic conditions for maintaining installed elements are:

Temperature between 18°C and 21°C

Ambient relative humidity between 45% and 60%

Because of its hygroscopic nature, wood adjusts its own moisture content to the surrounding environment. Failure to maintain these microclimatic conditions may cause dimensional deformations due to the natural anisotropic movements of wood, leading to shrinkage, expansion, cracking, or surface fissures, warping, etc.

Extremely severe microclimatic conditions and/or those that do not comply with the optimal humidity and temperature parameters may cause the detachment of the top (noble) layer from the supporting layers (delamination).

### SCREEDS WITH UNDERFLOOR HEATING SYSTEMS

Wooden parquet is suitable for installation on properly designed and operated underfloor heating screeds.

The correct design and sizing of the underfloor heating system must take into account the presence of the wooden floor and its specific behavioral characteristics (anisotropy and hygroscopicity).

Improperly designed or dimensioned underfloor heating systems and/or systems operating under conditions unsuitable for wooden floors can cause structural stress to the planks, resulting in negative effects such as:

- Cracks
- Fissures
- Delamination (detachment of the top layer from the supporting layers), producing dull sounds when tapped
- Detachment from the screed (in glued installations), also producing dull sounds when tapped

### MECHANICAL VENTILATION SYSTEM (VMC)

In the presence of a mechanical ventilation system (VMC), special attention must be paid to maintaining optimal temperature and humidity conditions.

### INSTRUCTIONS FOR USE AND MAINTENANCE

Wood is a natural and hygroscopic material (reactive to humidity and temperature); therefore, it tends to reach equilibrium with the surrounding environmental conditions, resulting in possible deformations if these parameters are not maintained within optimal ranges (see CHARACTERISTICS AND BEHAVIOR OF THE INSTALLED MATERIAL).

If properly maintained, a wooden floor is extremely durable and can be easily restored even after many years of use. For best maintenance results, the following precautions are recommended:

- 1 Maintain an ambient temperature between 18°C and 21°C.
  - 2 Keep the relative air humidity between 45% and 60%. Higher humidity levels cause the wood to expand; lower humidity levels cause it to shrink and crack. During winter, monitor ambient humidity and, if too dry, use air humidifiers.
  - 3 Avoid applying heavy concentrated loads on small floor areas; protect chair and furniture legs with felt pads.
  - 4 Avoid covering the floor with carpets or other materials to prevent localized color variations caused by uneven light exposure.
  - 5 For floors installed over underfloor heating, ensure the surface temperature does not exceed +27°C. Any cracks that may appear over time are solely due to the progressive dehydration (drying) of the wood and are not attributable to installation or product defects.
  - 6 Place a clean doormat at the entrance to remove dust and abrasive particles from footwear. Pay attention to possible damage caused by pets.
  - 7 In areas subject to heavy wear, such as under office chairs or desks, protect the floor with transparent protective mats.
  - 8 The wooden floor must be cleaned regularly.
- Routine maintenance for varnished parquet includes:  
Using REFINE brand product for surface cleaning operations;  
Using VITALIZE brand product for surface hydration treatments.

### STORAGE

Store the material in a place protected from weather conditions (especially direct sunlight and rainwater) and from excessively humid or dry environments. In all cases, the product must always be kept in its original packaging.

### DISPOSAL METHODS

The product, installation offcuts, packaging, and all waste materials resulting from installation must not be released into the environment. They must be disposed of through authorized local public waste disposal systems, in full compliance with current waste management regulations.

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