



Laudio Pine plywood panel made of European pine wood. Thanks to its natural durability, strength and versatility, it is perfect for a variety of industrial uses.

In its plus version (**Laudio Pine Plus**), the pine core is reinforced with Eucalyptus Globulus to improve panel strength while maintaining great stability and dimensional uniformity.

DIMENSIONAL AND MOISTURE CHARACTERISTICS

Thickness tolerance

- According to the EN 315:2000 standard
Valid ex works based on a moisture content of about 6 to 14 %

Length/width

- +2/-0 mm

Edge straightness

- Allowed 1mm/m length

Squareness

- Allowed 1mm/m length

Flatness

- Despite the utmost care in production, from the moment the product leaves the factory, due to changing climate conditions, during transport and warehousing, warping of the panel cannot be technically avoided.
Adequate climatization is recommended to obtain the best results.

Moisture content

- Typical moisture content is between 6 - 14 % when leaving the factory
The moisture content may change during warehousing and transportation.



LAUDIO PINE – Face veneer quality II

Calibrated and sanded surface with repaired knots and splits.



NATURAL CHARACTERISTICS

Sound knots	■ Allowed.
Dead knots	■ ≤ 20 mm in diameter are allowed. ■ Up to 10 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Loose knots	■ Up to 13 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Resin pockets	■ ≤ 30 mm in diameter are allowed. ■ Up to 2 per m ² , with a length >30 mm and ≤ 70 mm, are allowed.
Resin streaks	■ Allowed.
Splits	■ Up to 5 properly filled open splits with a width less than 20 mm are allowed.
Natural colour variations	■ Orange, reddish and brownish discolorations are allowed without limitation. ■ Bluish discolorations are allowed if they are light and cover less than 20% of the total surface.
Fibre tear-out	■ Allowed.

MANUFACTURING DEFECTS

Knife marks	■ Allowed if smooth.
Press marks, dents	■ Small marks repaired are allowed.
Sanding marks	■ Allowed if smooth.
Wavy sanding	■ Not allowed
Unsanded áreas	■ Small isolated areas are allowed.
Delamination	■ Not allowed
Jointed faces	■ Not allowed



LAUDIO PINE – II



This photos are intended to show the natural variability of the Wood within the same Quality grade, in the batches photographed. The different Quality grades have a wide range of admissible defects; consequently, these photos do not imply any guarantee from Garnica that they are representative of other batches. They are simply examples of what might be found in each Quality grade.



LAUDIO PINE – Face veneer quality III

Calibrated and sanded surface with open knots and splits (unrepaired).



NATURAL CHARACTERISTICS

Sound knots	■ Allowed.
Dead knots	■ ≤ 20 mm in diameter are allowed. ■ Up to 10 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Loose knots	■ Up to 13 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Resin pockets	■ ≤ 30 mm in diameter are allowed. ■ Up to 2 per m ² , with a length >30 mm and ≤ 70 mm, are allowed.
Resin streaks	■ Allowed.
Splits	■ Up to 5 open splits with a width less than 20 mm are allowed.
Natural colour variations	■ Orange, reddish and brownish discolorations are allowed without limitation. ■ Bluish discolorations are allowed if they are light and cover less than 20% of the total surface.
Fibre tear-out	■ Allowed.

MANUFACTURING DEFECTS

Knife marks	■ Allowed if smooth.
Press marks, dents	■ Small marks are allowed.
Sanding marks	■ Allowed if smooth.
Wavy sanding	■ Not allowed
Unsanded areas	■ Small isolated areas are allowed.
Delamination	■ Not allowed
Jointed faces	■ Not allowed



LAUDIO PINE – III



This photos are intended to show the natural variability of the Wood within the same Quality grade, in the batches photographed. The different Quality grades have a wide range of admissible defects; consequently, these photos do not imply any guarantee from Garnica that they are representative of other batches. They are simply examples of what might be found in each Quality grade.

NATURAL CHARACTERISTICS

Sound knots	■ Allowed.
Dead knots	■ ≤ 20 mm in diameter are allowed. ■ Up to 10 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Loose knots	■ Up to 13 knots/m ² , with a diameter >20 mm and ≤ 70 mm, are allowed.
Resin pockets	■ ≤ 30 mm in diameter are allowed. ■ Up to 2 per m ² , with a length >30 mm and ≤ 70 mm, are allowed.
Resin streaks	■ Allowed.
Splits	■ Up to 5 open splits with a width less than 20 mm are allowed.
Natural colour variations	■ Orange, reddish and brownish discolorations are allowed without limitation. ■ Bluish discolorations are allowed if they are light and cover less than 20% of the total surface.
Fibre tear-out	■ Allowed.

MANUFACTURING DEFECTS

Knife marks	■ Allowed.
Press marks, dents	■ Allowed.
Delamination	■ Not allowed.
Jointed faces	■ Not allowed.



LAUDIO PINE – IV



This photos are intended to show the natural variability of the Wood within the same Quality grade, in the batches photographed. The different Quality grades have a wide range of admissible defects; consequently, these photos do not imply any guarantee from Garnica that they are representative of other batches. They are simply examples of what might be found in each Quality grade.