



ultralight



Ultralight Poplar sandwich panels are made up of an insulating XPS (extruded polystyrene) core combined with poplar plywood faces. This combination results in a panel with superior performance.

It is ideal for doors, roofing, and paneling applications, where thermal insulation is particularly important.

DIMENSIONAL AND MOISTURE CHARACTERISTICS

Thickness tolerance	<ul style="list-style-type: none"> ■ ± 0.4 mm, ■ Thickness differences within the same panel are allowed up to ≤ 0.3 mm. <p>Valid ex works based on a moisture content of about 6 to 14 %</p>
Length/width	<ul style="list-style-type: none"> ■ $+2/-0$ mm.
Edge straightness	<ul style="list-style-type: none"> ■ Allowed 1mm/m length
Squareness	<ul style="list-style-type: none"> ■ Allowed 1mm/m length
Flatness Full panel size measured on a flat surface	<ul style="list-style-type: none"> ■ Flatness tolerance for standard panels is 20 mm for thicknesses ≤ 6 mm, and 15 mm for thicknesses > 6 mm. ■ Flatness tolerance for XL panels is 20 mm. <p>Adequate climatization is recommended to obtain the best results</p>
Moisture content	<ul style="list-style-type: none"> ■ Typical moisture content is between 6 - 14 % when leaving the factory <p>The moisture content may change during warehousing and transportation.</p>

ULTRALIGHT POPLAR – Face veneer quality B

B face eminently light and uniform in colour, with isolated knots.

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NATURAL CHARACTERISTICS

Pin knots	■ Allowed
Dead, tight and loose knots	■ Up to 2 knots per m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 4 properly filled splits with a width less than 15 mm are allowed
Natural colour variations	■ Allowed brown tones and cover less than 25% of the total surface area
Insect anomalies	■ Not allowed
Surface roughness	■ Allowed if smooth

MANUFACTURING DEFECTS

Knife marks	■ Allowed if smooth
Press marks, dents	■ A maximum of 3 properly filled small defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 10 mm in width
Sanding marks	■ Not allowed
Wavy sanding	■ Not allowed
Unsanded areas	■ Not allowed
Sanding through (due to core defect)	■ Small isolated areas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed



ULTRALIGHT POPLAR – B



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.

ULTRALIGHT POPLAR – Face veneer quality BBA

BBA face with natural colouring of the poplar heartwood and occasional presence of knots.

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NATURAL CHARACTERISTICS

Pin knots	■ Allowed
Dead, tight and loose knots	■ Up to 7 knots per m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 5 properly filled splits with a width less than 20 mm are allowed
Natural colour variations	■ Allowed
Insect anomalies	■ Minor isolated imperfections are acceptable
Surface roughness	■ Allowed if smooth

MANUFACTURING DEFECTS

Knife marks	■ Allowed provided there is no material loss
Press marks, dents	■ A maximum of 3 properly filled small defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 10 mm in width
Sanding marks	■ Not allowed
Wavy sanding	■ Not allowed
Unsanded areas	■ Not allowed
Sanding through (due to core defect)	■ Small isolated areas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed



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