



efficiency



Efficiency Poplar Plywood surface is designed for the application of high-quality laminates, as well as for decorative uses in its natural state. Applications intended for flooring, due to their specific technical requirements, are covered by a separate technical data sheet.

DIMENSIONAL AND MOISTURE CHARACTERISTICS

Thickness tolerance

- Thickness tolerance for panels up to 20 mm is +0,3/-0,5 mm, while for thicker panels it is +0,5/-0,7 mm.
 - Thickness differences within the same panel are allowed up to ≤ 0.3 mm.
- 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

Full panel size measured on a flat surface

- 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.
- 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.



EFFICIENCY POPLAR – Face veneer quality B

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

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NATURAL CHARACTERISTICS¹

Pin knots	■ Allowed
Dead, tight and loose knots	■ Up to 2 knots/m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 5 properly filled splits with a width less than 15 mm are allowed ■ Splits of less than 1 mm in width may not be repaired.
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 DEFECTS¹

Knife marks	■ Allowed if smooth
Press marks, dents	■ A maximum of 5 properly filled small defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 20 mm in width
Sanding marks	■ Allowed if they are not clearly detectable by touch or sight
Wavy sanding	■ Not allowed
Unsanded areas	■ Small isolated areas are allowed
Sanding through (due to core defect)	■ Small isolated areas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed

¹Open defects will be repaired with putty, except for thin panels (3-ply), in which only the top face is repaired



EFFICIENCY 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.



EFFICIENCY POPLAR – Face veneer quality BBA

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

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NATURAL CHARACTERISTICS¹

Pin knots	■ Allowed
Dead, tight and loose knots	■ Up to 7 knots/m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 8 properly filled splits with a width less than 20 mm are allowed ■ Splits of less than 1 mm in width may not be repaired.
Natural colour variations	■ Allowed
Insect anomalies	■ Minor isolated imperfections are acceptable
Surface roughness	■ Allowed if smooth

MANUFACTURING DEFECTS¹

Knife marks	■ Allowed if smooth
Press marks, dents	■ A maximum of 5 properly filled small defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 20 mm in width
Sanding marks	■ Allowed if they are not clearly detectable by touch or sight
Wavy sanding	■ Not allowed
Unsanded areas	■ Small isolated areas are allowed
Sanding through (due to core defect)	■ Small isolated areas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed

¹Open defects will be repaired with putty, except for thin panels (3-ply), in which only the top face is repaired.



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EFFICIENCY POPLAR – BBA



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NATURAL CHARACTERISTICS¹

Pin knots	■ Allowed
Dead, tight and loose knots	■ Up to 14 knots/m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 8 properly filled splits with a width less than 25 mm are allowed ■ Splits of less than 1 mm in width may not be repaired.
Natural colour variations	■ Allowed
Insect anomalies	■ Isolated imperfections are acceptable
Surface roughness	■ Allowed

MANUFACTURING DEFECTS¹

Knife marks	■ Allowed provided there is no material loss
Press marks, dents	■ A maximum of 5 properly filled defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 20 mm in width
Sanding marks	■ Allowed if they are not clearly detectable by touch or sight
Wavy sanding	■ Not allowed
Unsanded áreas	■ Small isolated areas are allowed
Sanding through (due to core defect)	■ Small isolated areas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed

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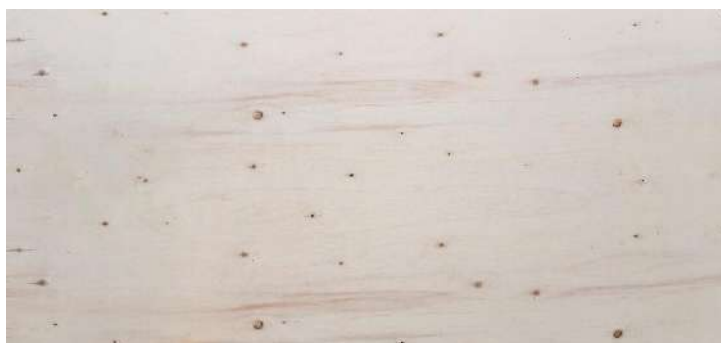
EFFICIENCY POPLAR – BB



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EFFICIENCY POPLAR – BB



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