

Garnica Efficiency Poplar Plywood surface appearance is developed to better serve customers who want a high-quality lamination with light-colored veneers and HPL, as well as for general decorative purposes in its raw form.

## **DIMENSIONAL AND MOISTURE CHARACTERISTICS**

Thickness tolerance	<ul> <li>Thickness tolerance for panels up to 20 mm is +0,3/-0,5 mm, wh for thicker panels it is +0,5/-0,7 mm.</li> <li>Thickness differences within the same panel are allowed up to ≤ mm.</li> <li>Valid ex works based on a moisture content of about 6 to 14 %</li> </ul>	
Length/width	■ Length/width tolerance is +2/-0 mm.	
Edge straightness	<ul> <li>Allowed 1mm/m length</li> </ul>	
Squareness	Allowed 1mm/m length	
<b>Flatness</b> Full panel size measured on a flat surface	<ul> <li>Flatness tolerance for standard panels is 20 mm for thicknesses mm, and 15 mm for thicknesses &gt; 6 mm.</li> <li>Flatness tolerance for XL panels is 20 mm.</li> <li>Climatize the panels to obtain the best results</li> </ul>	≤ 6
Moisture content	<ul> <li>Typical moisture content is between 6 - 14 % when leaving the factory</li> <li>The moisture content may change during warehousing and transportation</li> </ul>	





### **EFFICIENCY POPLAR - B**





## NATURAL CHARACTERISTICS<sup>1</sup>

Pin knots	•	Allowed
Dead, tight and loose knots	•	Up to 10 knots, each ≤ 50 mm in diameter, are allowed
Natural colour variations	•	Allowed if they are light and cover less than 25% of the total surface area
Insect anomalies	•	Not allowed
Surface roughness	•	Allowed if smooth

### MANUFACTURING DEFECTS<sup>1</sup>

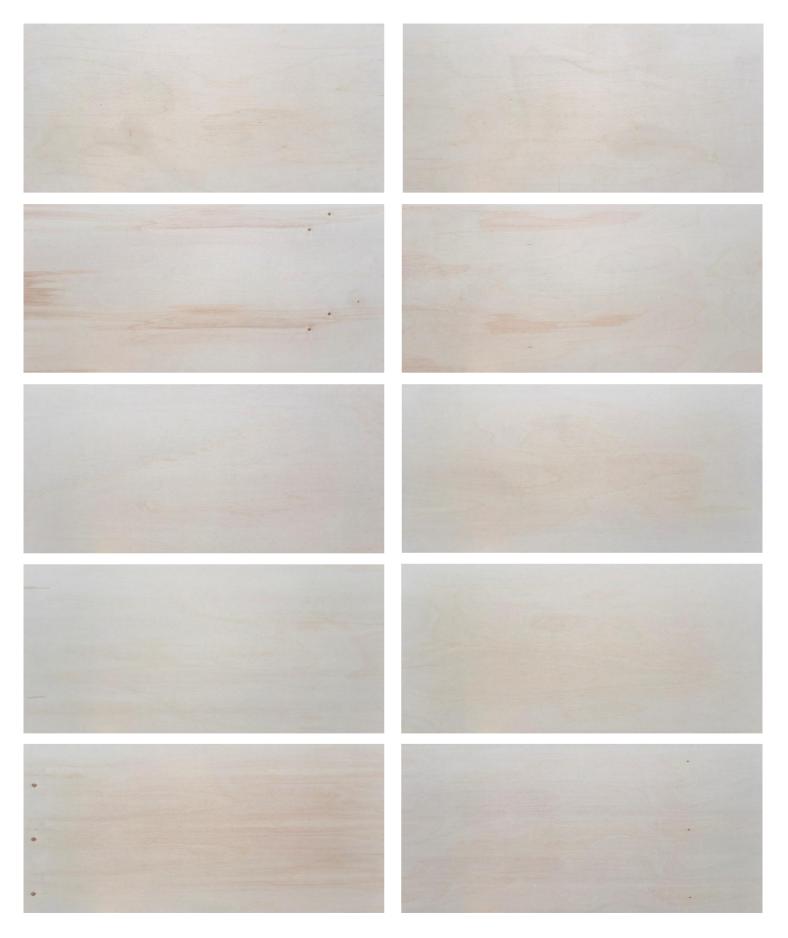
Unnatural colour variations Only Naturbind panels	•	Dark glue can eventually be visible on the surface
Knife marks	•	Allowed if they are smooth
Press marks, dents	•	A maximum of 5 properly filled small defects is permitted
Open splits	•	Up to 5 properly filled splits with a width less than 20 mm are allowed Splits of less than 1 mm in width may not be repaired.
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
Sanding through	•	Small isolated areas are allowed
Unsanded areas	•	Small isolated areas are allowed
Delamination	•	Not allowed
Jointed faces	•	Not allowed

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

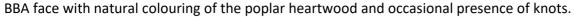


<u>Note</u>: Plywood grading is conducted through visual inspection by trained personnel and represents the average quality of each manufactured batch. The values indicated are approximate and are based on standard quality control procedures.





### **EFFICIENCY POPLAR – BBA**





## Pin knots ■ Allowed Dead, tight and loose knots ■ Up to 30 knots, each ≤ 50 mm in diameter, are allowed Natural colour variations ■ Allowed Insect anomalies ■ Minor isolated imperfections are acceptable Surface roughness ■ Allowed if smooth

MANUFACTURING DEFECTS <sup>1</sup>	
Unnatural colour variations Only Naturbind panels	Dark glue can eventually be visible on the surface
Knife marks	<ul> <li>Allowed if they are smooth</li> </ul>
Press marks, dents	<ul> <li>A maximum of 5 properly filled small defects is permitted</li> </ul>
Open splits	<ul> <li>Up to 8 properly filled splits with a width less than 25 mm are allowed</li> <li>Splits of less than 1 mm in width may not be repaired.</li> </ul>
Gaps in veneers beneath the top layer	<ul> <li>Allowed if they measure less than 20 mm in width</li> </ul>
Sanding marks	<ul> <li>Allowed if they are not clearly detectable by touch or sight</li> </ul>
Wavy sanding	<ul><li>Not allowed</li></ul>
Sanding through	Small isolated areas are allowed
Unsanded areas	Small isolated areas are allowed
Delamination	Not allowed
Jointed faces	Not allowed

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



<u>Note</u>: Plywood grading is conducted through visual inspection by trained personnel and represents the average quality of each manufactured batch. The values indicated are approximate and are based on standard quality control procedures.

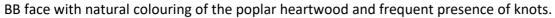








### **EFFICIENCY POPLAR – BB**





# Pin knots ■ Allowed Dead, tight and loose knots ■ Up to 60 knots, each ≤ 50 mm in diameter, are allowed Natural colour variations ■ Allowed Insect anomalies ■ Isolated imperfections are acceptable Surface roughness ■ Allowed

MANUFACTURING DEFECTS <sup>1</sup>		
Unnatural colour variations Only Naturbind panels	•	Dark glue can eventually be visible on the surface
Knife marks	•	Allowed provided there is no material loss
Press marks, dents	•	A maximum of 5 properly filled defects is permitted
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.
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
Sanding through	•	Small isolated areas are allowed
Unsanded areas	•	Small isolated areas are allowed
Delamination	•	Not allowed
Jointed faces	•	Not allowed

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



<u>Note</u>: Plywood grading is conducted through visual inspection by trained personnel and represents the average quality of each manufactured batch. The values indicated are approximate and are based on standard quality control procedures.











