



Garnica **Fireshield Building** Plywood is modified by a fireproof treatment that provides the entire panel exceptionally fire resistant. Specially designed for indoor use.

DIMENSIONAL AND MOISTURE CHARACTERISTICS

Thickness tolerance

- +0,3/-0,5 mm
 - Thickness differences within the same panel are allowed up to $\leq 0.3\text{mm}$.
- 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



FIRESHIELD – Face veneer quality B

The fire-retardant treatment process may alter and highlight the natural patterns of poplar. In this grade, more pronounced grain and greyish veining may be observed, making it suitable for decorative applications.



NATURAL CHARACTERISTICS

Pin knots	■ Allowed if smooth
Dead, tight and loose knots	■ Up to 2 knots/m ² , each ≤ 50 mm in diameter, are allowed
Open splits	■ Up to 2 properly filled splits with a width less than 5 mm are allowed
Natural colour variations	■ Allowed if smooth
Surface roughness	■ Allowed if smooth

MANUFACTURING DEFECTS

	■ Irregular mottling not allowed.	
Unnatural colour variations	■ Greyish veining present of the surface is allowed	
Cross-grain marks Knife marks, lathe marks	■ Not allowed	
Mesh mark	■ Not allowed	
Press marks, dents	■ Not allowed	



FIRESHIELD – Face veneer quality B

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MANUFACTURING DEFECTS

Gaps in veneers beneath the top layer ■ Allowed if they measure less than 10 mm

Sanding marks ■ Not allowed

Wavy sanding ■ Not allowed

Unsanded areas ■ Not allowed

Sanding through ■ Not allowed
(due to core defect)

Delamination ■ Not allowed

Jointed faces ■ Not allowed



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.



FIRESHIELD – Face veneer quality BBA

The fire-retardant treatment process may alter and highlight the natural patterns of poplar. In this grade, surface darkening and heterogeneity may be observed; therefore, its use in visible applications is not recommended.



NATURAL CHARACTERISTICS

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 5 properly filled splits with a width less than 20 mm are allowed
Natural colour variations	■ Allowed if they are not black
Insect anomalies	■ Isolated defects are allowed
Surface roughness	■ Allowed if smooth

MANUFACTURING DEFECTS

Unnatural colour variations	■ Color variations (greyish tones) inherent to fireproof treatment are allowed
Cross-grain marks Knife marks, lathe marks	■ Allowed if smooth
Mesh mark	■ Allowed
Press marks, dents	■ A maximum of 4 properly filled small defects is permitted
Gaps in veneers beneath the top layer	■ Allowed if they measure less than 10 mm
Sanding marks	■ Not allowed
Wavy sanding	■ Not allowed
Unsanded areas	■ Not allowed
Sanding through (due to core defect)	■ Small isolated áreas are allowed
Delamination	■ Not allowed
Jointed faces	■ Not allowed



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