

efficiency



Efficiency HDF is a lightweight panel with a 100% poplar core and high-quality HDF faces, designed to provide a uniform surface finish. It offers an optimal surface for painting and coating applications (laminates or decorative natural wood veneers). Not suitable for TFL application

DIMENSIONAL AND MOISTURE CHARACTERISTICS

Thickness tolerance

- Thickness tolerance for panels up to 20 mm is ± 0.3 mm, while for thicker panels it is $+0.3/-0.5$ 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.

FACE CHARACTERISTICS

Natural colour variations ■ Allowed

Surface roughness ■ Allowed

Breakage ■ Not allowed

MANUFACTURING DEFECTS

Stains inherent to the manufacturing process



■ Allowed if not perceptible to the touch

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 10 mm in width

Sanding marks ■ Not allowed

Wavy sanding ■ Not allowed

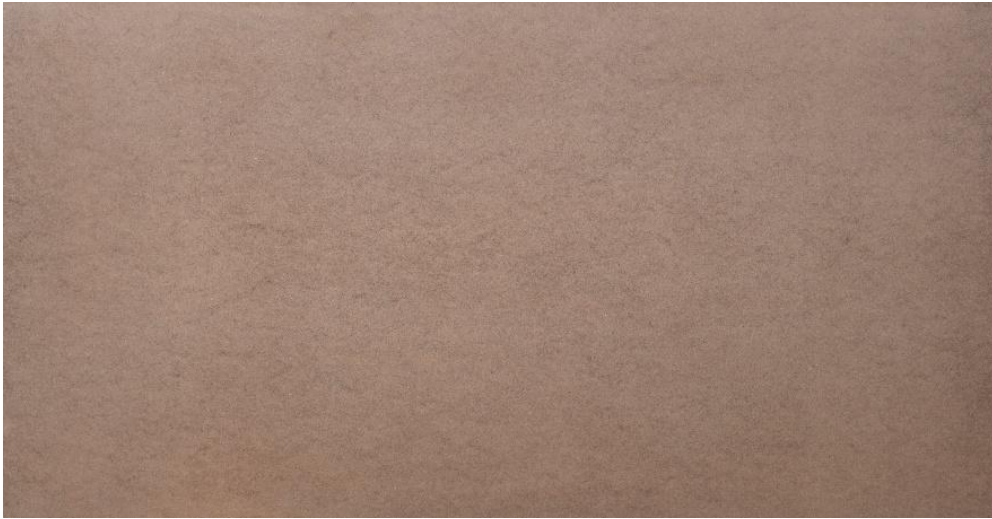
Unsanded areas ■ Not allowed

Sanding through ■ Small isolated areas are allowed
(due to core defect)

Delamination ■ Not allowed



EFFICIENCY HDF



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.