

TECHNICAL PROPERTIES



LION-BOARDS®

HARDBOARD (EN 622-2)
(Excluding Packing Board and Industrial Grade)

HB (general purpose)

Property	Unit	Thickness ranges mm		
		2-3.5	> 3.5-5.5	> 5.5
Density	kg/m ³	940	940	940
Bending strength	N/mm ²	30	30	25
Internal bond	N/mm ²	0.5	0.5	0.5
Swelling in thickness (24 h)	%	37	30	25

HARDBOARD (EN 622-2)

HB.H (humid conditions)

Property	Unit	Thickness ranges mm		
		2-3.5	> 3.5-5.5	> 5.5
Density	kg/m ³	1000	1000	1000
Bending strength	N/mm ²	35	32	30
Internal bond	N/mm ²	0.6	0.6	0.3
Internal bond after boil test (EN 1087)	N/mm ²	0.3	0.3	0.25
Swelling in thickness (24h)	%	25	20	20

General requirements at the time of dispatch from the factory (EN 622-1)

Property	Tolerances
Dimensional tolerances	± 2.0 mm/m, max ± 5 mm
Width/Length, cut to size	± 1.0 mm
Squareness	± 2.0 mm/m
Edge straightness	± 1.5 mm/m
Moisture content	4 – 9 %

Thickness tolerances at the time of dispatch from factory (EN 622-1)

Thickness ranges mm	Tolerances
≤ 3.5	± 0.3 mm
> 3.5 - 5.5	± 0.5 mm
> 5.5	± 0.7 mm