



ECOR-PLY board , type HB according to EN 622-2, thickness ≥ 5 mm

Property	Test method	Unit	ECOR-PLY board type HB Ranges of nominal thickness (mm)			
			≥ 5 to 8	≥ 8 to 10	≥ 10 to 12	≥ 12 to 16
Width	EN 324-1	mm	1225 (4ft)	1225 (4ft)	1225 (4ft)	1225 (4ft)
Length	EN 324-1	mm	2440 & 3050 (8 & 10ft)	2440 & 3050 (8 & 10ft)	2440 & 3050 (8 & 10ft)	2440 & 3050 (8 & 10ft)
Thickness tolerance	EN 324-1	mm	$\pm 0,2$ ($\pm 1/64$)	$\pm 0,2$ ($\pm 1/64$)	$\pm 0,2$ ($\pm 1/64$)	$\pm 0,2$ ($\pm 1/64$)
Length and width tolerance	EN 324-1	mm/m	± 2 (max ± 5 mm) ($\pm 5/64$ (max $\pm 13/64$ in))	± 2 (max ± 5 mm) ($\pm 5/64$ (max $\pm 13/64$ in))	± 2 (max ± 5 mm) ($\pm 5/64$ (max $\pm 13/64$ in))	± 2 (max ± 5 mm) ($\pm 5/64$ (max $\pm 13/64$ in))
Density	EN 323	kg/m ³	900 $\pm$ 50 (56,19 $\pm$ 3,12 lb/ft ³)	900 $\pm$ 50 (56,19 $\pm$ 3,12 lb/ft ³)	900 $\pm$ 50 (56,19 $\pm$ 3,12 lb/ft ³)	900 $\pm$ 50 (56,19 $\pm$ 3,12 lb/ft ³)
Squareness tolerance	EN 324-2	mm/m	2 (5/64 in)	2 (5/64 in)	2 (5/64 in)	2 (5/64 in)
Moisture content	EN 322	%	4 to 8	4 to 8	4 to 8	4 to 8
Swelling in thickness 24h	EN 317	%	25	25	25	25
Internal bond	EN 319	N/mm ²	0,65 (94,27psi)	0,60 (87,02psi)	0,55 (79,77psi)	0,50 (72,52psi)
Pull off	ASTM D 4541-22 EN 311	N/mm ²	1.1	1.1	1.0	1.0
Modulus of rupture	EN 310	N/mm ²	25 (3625,94psi)	25 (3625,94psi)	25 (3625,94psi)	22 (3190,83psi)
Modulus of elasticity	EN 310	N/mm ²	2700 (391601,89psi)	2700 (391601,89psi)	2500 (362594,34psi)	2300 (333586,80psi)
Screw Holding-Face	EN 320	N	760 (170lbs)	859 (193lbs)	1090 (245lbs)	1600 (359lbs)
Screw Holding-Edge	EN 320	N	480 (107lbs)	700 (157lbs)	755 (169lbs)	1181 (265lbs)
Linear expansion	ASTM D 1037	%	$\leq 0,2$	$\leq 0,2$	$\leq 0,2$	$\leq 0,2$

ECOR-Ply

100% Bio-Based - Non – Toxic-Fully – Recyclable

COMMON APPLICATIONS

- Cabinetry
- Furniture
- Retail Displays
- General Lamination (TFL, Veneer)
- Trade Show Booths
- Store Fixtures
- Plywood, MDF & HDF sustainable alternative

Customer – specified grades are available by request and subject to minimum order quantities.

Color deviations allowed

Surface finish – S1S

