



DURAPLAY[®]
We make it happen

“Strength and weight resistance”

Make it happen with Duraplay Particleboard

Duraplay[®]
Particleboard

Duraplay PB is a particleboard composed of **100% ponderosa pine wood chips** and **own formulated resins**, components that provide these panels with high properties of durability, resistance, and surfaces suitable to be laminated

A) BENEFITS

- Exceptional performance in weight load.
- Excellent grip on the screw.
- Superior machining performance (grooving, cutting, die cutting, etc.)

B) APPLICATIONS

- Furniture structures and funds.
- Straight surfaces in office and residential furniture.
- Shelves and cabinets.
- Stair Treads.
- Store fixture.
- Surface laminates: low pressure, high pressure, veneer, vinyl, PVC, among others.

C) TECHNICAL SPECIFICATIONS

PRODUCT	DIMENSIONS			TOLERANCES				
	Thickness (in)	Length (in)	Width (in)	Thickness (in)	Length (in)	Width (in)	Squareness (in)	Warping (in / ft)
EPA TSCA	1/2, 5/8, 3/4, 1, 1 1/8	96	48	+/- 0.0078	+/- 0.078	+/- 0.078	+/- 0.078	0.03
RH	5/8, 3/4	96	48	+/- 0.0078	+/- 0.078	+/- 0.078	+/- 0.078	0.03

*Humidity Resistant

THICKNESSES AND NUMBER OF PIECES PER PACKAGE

THICKNESS COMMERCIAL (in)	THICKNESS NOMINAL (in)	THICKNESS NOMINAL (mm)	PIECES / UNIT
1/2	0.4724	12.0	54
5/8	0.6250	15.8	40
3/4	0.7480	18.8	34
1	1.0	25.0	26
1 1/8	1.1250	28.6	22

PHYSICAL MECHANICAL PROPERTIES

	UNIT OF MEASURE	TOLERANCE	EPA TSCA			RH
Thicknesses	in		1/2 – 9/16	5/8 – 3/4	1 – 1 3/16	5/8 – 3/4
Range	mm		12 – 14.5	15.8 – 18.8	25 -30	15.8 – 18.8
Density	lb/ft ³	+/-1.24	43.7	42.4	41.2	42.4
Average I.B.	psi	Min	58.3	56.8	54	64
Average MOE	psi	Min	398,851	398,851	398,851	398,851
Average MOR	psi	Min	2390	2390	2390	2390
Surface tensile	psi	Min	113.7	113.7	113.7	113.7
Edge screw hold	lbf	Min	N/A	154.3	154.3	181
Face screw hold	lbf	Min	N/A	181	181	203
Expansion	%	Max	N/A	N/A	N/A	12
Moisture content	%	Rank	4 - 9	4 - 9	4 - 9	4 - 9

* For Duraplay RH boards only applies in 5/8" and 3/4" thicknesses. Other thicknesses on request.

** Product available upon EPA TSCA Title VI.

*** Product on request with FSC certification.

**** Meets ANSI / A 208.1-2009 and EN 312-2010 Standard specifications.

The measures and technical characteristics can be modified without prior notice.

D) STORAGE AND HANDLING

- Keep the straps when moving the material through a mechanical way; this facilitates the loading and unloading of the product and avoids slipping and rubbing between one board and another.
- Store indoors and in a dry place.
- Covering the boards with plastic or tarpaulins protects and preserves them in extreme climates and conditions.
- Avoid extreme variations in temperature and humidity.
- Do not allow the surfaces and edges of the board are in direct contact with water.
- Maximum height of a package: 32 inches.
- Maximum stowage height: 7 packages.
- For stowage use separators between packages (preferably four pieces placed approx. 28 inches between them), taking care of the alignment of packages. This practice also helps keep the board from absorbing moisture from the floor.
- Maintain a minimum distance between pallets of 8 inches approx.
- Do not stow vertically.

E) RECOMMENDATIONS

- **Manual cut:** Use a thin metal saw.
- **Cut with a jigsaw:** Use a fine-tooth saw with sway control.
- **Saw cut:** Use a motor with a minimum of 2 hp and 3,500 to 5,000 r.p.m. Recommended using tungsten carbide tooth. Choosing a saw with a smaller diameter increases stability and cut quality. Height of saws on the material to cut between 1/2 and 1 in.
 - **Drilling:** Use a high-speed drill with a straight-pointed steel bit. The perforations in the edges. They must be in the center and not exceed 50% of the thickness of the board.
 - **Grooving:** The groove must have a maximum depth of 50% of the thickness of the board, groove thickness, not more than 1/3 of the thickness.
 - **Screws:** Before inserting a screw, drill 1/64 "smaller than the same. Use only special screws for the chipboard.
- It is not recommended to use nails, preferably to use staples (on the surface).



The mark of
responsible forestry

Note: EPA TSCA Title VI and FSC certified products available upon request.