

MDP wood board (Medium Density Particle board) is a medium density chipboard **composed of 100% Ponderosa pine wood particles**. These particles come together using synthetic resins in a process that involves high temperatures, resulting in a structure with **three distinctive layers: two thin layers and one thick layer**.

This differentiation in layers provides the MDP board with outstanding physical-mechanical characteristics, as well as a uniform and well-defined surface.

Thickness
12.0 mm - 35.0 mm

Format
49 x 97 in

Uses and Applications

- Furniture
- Kitchen furniture
- Bathroom furniture
- Construction
- Industry
- Doors

Benefits

- Versatility
- Dimensional stability
- Ease of finishing
- Uniformity
- Ease of workability



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A) BENEFITS

- High strength, dimensional stability, and surface density.
- Improved screw grip.
- Good machining performance (grooving, cutting, stamping, etc.).
- Low abrasion resistance.
- Smooth and homogeneous surface.

B) APPLICATIONS

- Furniture structures.
- Wall cladding.
- Shelving.
- Finish that allows for any type of surface coating such as melamine, foil, veneer, high-pressure laminate, sheets, vinyl, PVC, among others.

C) TECHNICAL SPECIFICATIONS

TOLERANCES						THICKNESSES AND NUMBER OF PIECES PER PACKAGE		
PRODUCT	Thickness (in)	Lenght (in)	Width (in)	Squareness (in / ft)	Warping (in / ft)	THICKNESS mm - in	PIECES / UNIT	SUPREMO PLUS EPA TSCA
SUPREMO	Nominal	Nominal	Nominal	Diagonal		12.0 mm	54	
						14.5 mm	40	
PLUS						15.0 mm	40	
						15.8 mm o 5/8 in	40	
EPA TSCA						18.0 mm	34	
						18.8 mm o 3/4 in	34	
				Max.		25.0 mm	26	
				+/- .0360		28.6 mm o 1 1/8 in	22	
	+/- 0.0078	+/- .078	+/- .078		Max. .03	30.0 mm	20	
						35.0 mm o 1 3/8 in	18	

PHYSICAL MECHANICAL PROPERTIES								
	UNIT OF MEASURE	TOLERANCE	ACCEPTANCE RANGE / CLASS AND THICKNESS					
			SUPREME				PLUS	
Thicknesses	in		3/8	1/2 - 9/16	5/8 - 3/4	7/8 - 1 3/16	5/8	3/4
Density	lb/ft3	+/- 1.2	44	44	43	42	44	45
Average I.B.	psi	- 2.6	52	52	52	52	58	58
Average MOR	psi	- 79.7	1595	1595	1595	1595	1885	1885
Average MOE	psi	- 12330	246600	246600	246600	246600	290100	290100
Edge screw hold	lbf	< 5/8 in N/A	N/A	N/A	> 157	> 180	> 180	> 180
Face screw hold	lbf	< 3/8 in N/A	N/A	> 180	> 180	> 180	> 202	> 202
Linear expansion	%	Max.	0.40	0.40	0.40	0.40	0.40	0.40
Moisture content	%	+/- 2	7	7	7	7	7	7

* Product EPA TSCA Title VI.
** Meets ANSI A208.1-2022
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).



Note: EPA TSCA Title VI products available upon request.