



**DURAPLAY**<sup>®</sup>  
We make it happen

**“Precision in the details”**

Make it happen with MDF Fibraplay

**Fibra**play<sup>®</sup>  
MDF

It is a **medium-density fiberboard made of 100% ponderosa pine** wood combined with our **adhesive resins formulation resulting** in a light and resistant composite panel manufactured in our state of the art continuous press facility.

## A) BENEFITS

- Versatile.
- Excellent for painting and lacquering.  
Ideal for routing, milling, turning, and grooving.
- Easy to cut.
- Suitable for laminating with foil, veneer or high-pressure laminates, vinyl, PVC, and membrane pressing.

## B) APPLICATIONS

- Office & Residential Furniture.
- Doors, Jambs & Millwork.
- Molding.
- Embossing.
- Curved finishes.
- Edge Shaping & Machining (Router cutting, laser, marking, milling, CNC).
- Vinyl, PVC, and high gloss laminating.
- High pressure and low-pressure laminates.

## C) TECHNICAL SPECIFICATIONS

PRODUCT	DIMENSIONS				TOLERANCES			
	Thickness (in)	Length (in)	Width (in)	Thickness (in)	Length (in)	Width (in)	Squareness (in)	Warping (in / ft)
MDF LIGHT	1/8 a 19/32	96	48	+/- 0.0078	+/- 0.078	+/- 0.078	0.078	.042
MDF STD	>19/32	96	48	+/- 0.0078	+/- 0.078	+/- 0.078	0.078	.03

THICKNESSES AND PIECES PER PACKAGE				
	Thickness Commercial (in)	Thickness Nominal (in)	Thickness Nominal (mm)	Pieces / Unit
MDF LIGHT	7/16	0.438	11.1	56
	15/32	0.469	12.0	52
	1/2	0.500	12.7	52
	9/16	0.551	14.0	48
	5/8	0.625	16.0	40
	21/32	0.669	17.0	40
	23/32	0.709	18.0	36
MDF STD	1	0.984	19.0	24
	1/8	0.118	3.0 *	180
	7/32	0.219	5.5	100
	1/4	0.236	6.0	88
	11/32	0.354	9.0	64
	3/4	0.750	19.0	32

Thicknesses less than 1/8" the finish is unsanded.

## PHYSICAL MECHANICAL PROPERTIES

	UNIT OF MEASURE	TOLERANCE	STANDARD				LIGHT	
			1/8 – 7/32	>7/32 – 13/32	7/16 to 3/4	>3/4	7/16 – 3/4	3/4
Thickness Range	in		1/8 – 7/32	>7/32 – 13/32	7/16 to 3/4	>3/4	7/16 – 3/4	3/4
Density	lb/ft <sup>3</sup>	+/-1.24	51.8	46.8	44.3	42.5	40.6	39.3
Average I.B.	psi	Min	99.6	99.6	78.2	78.2	64	64
Average MOE	psi	Rank	312,913 - 455,147	312,913 - 455,147	312,913 - 455,147	312,913 - 455,147	184,903 - 327,137	184,903 - 327,137
Average MOR	psi	Rank	3,129 - 4,551	3,129 - 4,551	3,129 - 4,551	3,129 - 4,551	1,850 - 3,271	1,850 - 3,271
Absorption			undefined	undefined	undefined	undefined	undefined	undefined
* Edge Screw Hold	lbf	Min	N/A	N/A	N/A	81 a 101	N/A	62 a 92
Face Screw Hold	lbf	Min	N/A	N/A	222.6 - 288.8	222.6 - 288.8	158.7 - 224.8	158.7 - 224.8
Expansion	%	Max			11	11	11	11
	in		.087	.087				
Moisture content	%	Rank	6 - 10	6 - 10	6 - 10	6 - 10	6 - 10	6 - 10

\* Product available upon EPA TSCA Title VI.

\*\* Product on request with FSC certification.

\*\*\* Meets ANSI / A 208.2-2016 and EN 312-2010 Standard specifications.

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

\* It only applies to thicknesses greater than 19/32.

N/A = Not applicable, Not required.

## 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 climates or extreme 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.
- In the stowage, between packages, use separators (preferably 4) placed between them approx. 28 in., 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 approximately.
- 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. Using a tungsten carbide tooth is recommended.
  - Choosing a saw with a smaller diameter increases stability and cut quality.
  - Choose preferably between 48 and 72 teeth.
  - Height of saws on the material to cut between 1/2 and 1 inch.
- **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.  
It is not recommended to use a nail, preferably to use a staple (on the surface).



The mark of  
responsible forestry

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

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