

MDF PARTICLEBOARD



MDF

Description:

- Smooth and completely defect-free.
- Perfect for painting, staining, and veneering, with excellent results.
- Manufactured from 100% wood (pine and others).
- Commitment to natural resource conservation; FSC certified.
- Meets or exceeds the TSCA Title VI emission standards(Optional).

PRODUCT DETAIL

MDF is valued for its flawless composition and consistent density, allowing for precise cutting, routing, shaping, and drilling with minimal waste. It excels in material efficiency and productivity while providing a beautiful, uniform finish—suitable for lamination, printing, or painting. Even when sanded with various grits, MDF performs well, accommodating thin overlays and dark colors.

Its dimensional stability eliminates swelling and thickness variations, ensuring the precision achieved during machining is maintained in the final product, resulting in tight fasteners and a clean appearance for end-users.

Common Applications

- Cabinetry
- Flooring
- Furniture
- Machining applications
- Mouldings
- Shelving
- Surface for veneers
- Wall paneling

Specifications Dimensions

	Imperial	Metric
Widths	4 ft	1220-2135mm
Lengths	up to 17 ft	up to 4880mm
Thicknesses	1/4-1-1/2 in	9mm-25mm

Details

	Imperial	Metric
Density	45 lbs/ft ³	720 kg/m ³
Internal Bond	170 psi	1.17 Mpa
Modulus of Rupture/MOR	3970 psi	27.37 Mpa
Modulus of Elasticity/MOE	400740 psi	2763 N/mm ²
Thickness Swell (< 15mm)	9.19%	9.19%
Thickness Swell (> 15mm)	9.73%	9.73%

Standards & Certifications

Formaldehyde Release Rating	Carb P2&EPA、E1、E0
-----------------------------	-------------------

Our MDF is tested and certified to meet or exceed the following standards and certifications.

Formaldehyde Emissions Regulations-Third party certified (TPC-1) to meet the requirements of: EPA Formaldehyde Emission Regulation, TSCA Title VI.

Forest Stewardship Council® Scientific Certifications Systems Certified (FSC®-COC FSC-STD-40-004 V3-1;FSC-STD-50-001 V2-0).

We can also produce boards of different grades according to your requirements to meet different formaldehyde emission standards.



PARTICLEBOARD

Description:

Refined through sanding to achieve a polished surface, resulting in an elegant appearance
 The panel exhibits a robust internal bond, ensuring superior adhesive performance throughout the board
 Withstand stress without bending
 Exceptional resistance to screw pull
 Can be easily worked with saws, screws, drills, routers, and sanders
 We also offer melamine veneered boards with various surface textures(wood grain, solid color with Glossy/Matt/Skin feel/Drizzle or as requested)

PRODUCT DETAIL

Particle Board is highly regarded for its flawless composition and consistent density, enabling clean cutting, routing, shaping, and drilling. It effectively retains intricate details while minimizing waste and tool wear.

Common Applications:

Cabinetry Furniture Shelving Surface for veneers Wall paneling Door Core*

*Door core panel thickness starts from 28mm-45mm

Specifications Dimensions

	Imperial	Metric
Widths	4-7 ft	1220-2135mm
Lengths	up to 16 ft	up to 4880mm
Thicknesses	3/8-1 in	9mm-25mm

Details

	Imperial	Metric
Moisture Content	5.80%	5.80%
Internal Bond	61 psi	0.42 Mpa
Modulus of Rupture/MOR	1800 psi	12.4 Mpa
Modulus of Elasticity/MOE	380000	2660 Mpa
Screw Holding-Face	279 lbs	1240 N
Screw Holding-Edge	189 lbs	840 N
Formaldehyde Emissions Limit	0.039 ppm	0.048mg/m ³

Values presented are averages specific to 3/4" panels, the physical properties may differ depending on thickness

Standards & Certifications

Formaldehyde Release Rating	Carb P2&EPA、E1、E0
-----------------------------	-------------------

Our Particle Board is tested and certified to meet or exceed the following standards and certifications.
 Formaldehyde Emissions Regulations-Third party certified (TPC-1) to meet the requirements of: EPA Formaldehyde Emission Regulation, TSCA Title VI.
 Forest Stewardship Council® Scientific Certifications Systems Certified (FSC-STD-40-004 V3-0;FSC-STD-40-007 V2-0;FSC-STD-50-001 V2-0).
 We can also produce boards of different grades according to your requirements to meet different formaldehyde emission standards.

