


# MDF

medium density fiberboard

# SierraPine THIN MDF

produced in  
**Rocklin, California**

## Features & Benefits

- Light in color and uniform in appearance, SierraPine Thin MDF handles a wide variety of veneer, vinyl, paper, paint and prime in a wide variety of board sizes
- CARB ATCM 93120 Phase 1 Certified
-  FSC certified panels available upon request

## Grades

- **A-Grade:** A proven panel in hardwood plywood layup, both as crossbanding and single piece core with two sides veneered.
- **Industrial:** The flexible and efficient workhorse of the entire product line. Excellent under vinyl, paper, paint and prime. A target density of 48 lbs allows a wide variety of surface treatments and applications.
- **Mill Run:** Primarily used for certain industrial applications as well as packaging and cover sheets. Available with a safety rough back. When used as bottom boards the rough back helps keep units from sliding off forklifts. This economical panel has many uses.

## Mill Capabilities

- **Panel Sizes:** 4' wide panels available in 72" through 144" lengths in any increment. 5'x8' through 6'x8' panels are also available in any increment (minimum order requirement).
- **Thicknesses:** Metric thicknesses 2.5 mm through 6 mm. 1/8" and 1/4" also available.
- Our special process results in a harder, glossier face finish and a reduction in fiber pop. Many paint and glue applicators find that this treatment slows paint- and glue-dive making this an economical finish.
- Reverse-roll abrasive brush surface treatment reduces surface tension and makes the panel slightly more porous. This surface accelerates glue and paint adhesion.

## Handling & Installation

- Store indoors on a flat, level surface with adequate support to prevent sagging
- Readily accepts and holds hardware including staples, screws and other fasteners
- For best results, condition to the environment 48-72 hours prior to installation

## Ideal Applications

- |                 |                      |
|-----------------|----------------------|
| Door facings    | Casegoods            |
| Store fixtures  | Wall paneling        |
| Roll lamination | Crossbanding         |
| Packaging       | Furniture components |
| Cabinet backs   | Drawer bottoms       |

SierraPine Thin MDF is offered with three grade options and a variety of surface treatments, resulting in an extremely versatile product for a number of different applications. The product is light in color, providing a good substrate for laminates. As thin as 1/10", panels come in a wide spectrum of sizes and offer excellent machinability. Pair your Thin MDF order with an order of panels from SierraPine's thick MDF manufacturing plant in Rocklin and ship to your location on one truck for more cost-effective transportation.

Technical Data	A-Grade	Industrial	Mill Run
<b>Imperial</b>			
Density (lb/ft <sup>3</sup> )	49.5	48	45.5
Internal Bond (lb/in <sup>2</sup> )	130	80	70
Modulus of Rupture (lb/in <sup>2</sup> )	>5,000	>4,000	>3,000
Thickness Tolerance (inch)	±0.007	±0.007	±0.007
Length/Width Tolerance (inch)	±0.080	±0.080	±0.080
Squareness Tolerance (in/ft)	±0.036	±0.036	±0.036
<b>Metric</b>			
Density (kg/m <sup>3</sup> )	793	769	729
Internal Bond (N/mm <sup>2</sup> )	0.90	0.55	0.48
Modulus of Rupture (N/mm <sup>2</sup> )	>34.48	>27.58	>20.69
Thickness Tolerance (mm)	±0.178	±0.178	±0.178
Length/Width Tolerance (mm)	±2.032	±2.032	±2.032
Squareness Tolerance (mm/m)	±3.0	±3.0	±3.0
Flame Spread Rating	Class C	Class C	Class C
Moisture Content	5%	5%	5%
Formaldehyde Emissions	≤0.21 ppm	≤0.21 ppm	≤0.21 ppm

Average physical properties for 1/8" panel when tested in accordance ASTM D1037. Specific design applications and technical data are available upon request. Emissions tested in accordance with ASTM E-1333.



## Potential of 5 LEED® Credits Supported

Materials & Resources: 4.1, 4.2, 5.1, 5.2, 7



## FSC Certified (Mixed Credit)

Cert no. SCS-COC-001409  
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## SCS Certified

Post-Industrial Recycled Wood Fiber



## EPP Certified

Specification CPA EPPS 3-08  
California ARB Approved Third Party Certified TPC-1

Warning: SierraPine MDF contains formaldehyde which may cause health problems including eye and respiratory irritation and may aggravate respiratory conditions or allergies. It should not be used in enclosed areas where formaldehyde could be a problem unless properly sealed. Information on effective sealing methods and materials is available from SierraPine.

**SierraPine**  
COMPOSITE SOLUTIONS

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