

### Features & Benefits

- Awarded CARB NAF Exemption due to formaldehyde-free adhesive system
- Exceeds standard MDF physical properties
- Meets ANSI A208.2-2009 155-F11-MR30
- Available in higher densities with a minimum order requirement
- Uniform density product available for multi-level machining and powder coating
- ♻️ FSC certified panels available upon request

### Mill Capabilities

- Panels available in 4' and 5' widths, lengths up to 18' and thicknesses ranging from 1/4" - 1+1/4"
- Minimum quantity may be required for some sizes

### Handling & Installation

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

### How to Specify

Industrial Grade Medium Density Fiberboard (MDF), manufactured with a formaldehyde-free adhesive system which meets the requirements of ANSI A208.2-2009, Grade 155.

### Finished Product Options

SierraPine manufactures over 500 different pre-primed, profiled, lineal mouldings from Medite® II substrates. Ask your SierraPine sales representative for more information.

### Limitations

Medite® II is not suitable for structural or exterior applications.

### Ideal Applications

- LEED® Projects
- Architectural Woodwork
- Cabinetry
- Wall Panels
- Moulding
- Display Cases

# medite® II

Medite® II is a sustainable medium density fiberboard (MDF) panel utilizing a formaldehyde-free adhesive system and 100% post-industrial recycled wood fiber. Medite® II is engineered for non-structural applications and can be used in place of sanded plywood and solid wood for applications where higher physical properties are needed. This panel provides the flexibility of a superior composite panel with the emissions of lumber and other grain wood products. Medite® II has been specified in hundreds of commercial, institutional and conservator projects for nearly 20 years.

Technical Data	Imperial	Metric
Density	48 lb/ft <sup>3</sup>	769 kg/m <sup>3</sup>
Internal Bond	150 lb/in <sup>2</sup>	1.03 N/mm <sup>2</sup>
Modulus of Rupture	5,500 lb/in <sup>2</sup>	37.90 N/mm <sup>2</sup>
Modulus of Elasticity	550,000 lb/in <sup>2</sup>	3,790 N/mm <sup>2</sup>
Modulus of Hardness	1,150 lbs, Janka ball	5,115 N
Screw Holding, Face	315 lbs	1,400 N
Screw Holding, Edge	248 lbs	1,103 N
Thickness Tolerance	± 0.005 inch	±0.127 mm
Thickness Swell	3.5%	
Linear Expansion	0.27%	
Water Absorption	6.5%	
Flame Spread Rating	Class C (3)	
Moisture Content	4 - 6%	
Formaldehyde Emissions	as low as 0.01 ppm	

Average physical properties for 3/4" panel when tested in accordance with ASTM D1037. Emissions tested in accordance with ASTM E-1333. Specific design applications and technical data are available upon request.



#### FSC Certified (Mixed Credit)

Cert no. SCS-COC-001409  
© 1996 FSC



#### SCS Certified

Post-Industrial Recycled Wood Fiber  
No-Added Formaldehyde



#### EPP Certified

Specification CPA EPPS 3-08  
CARB Approved Third Party Certifier TPC-1

#### LEED® 2009 Credits Supported

Materials & Resources: 4, 5, 7  
Indoor Environmental Quality: 4.4

#### CHPS Compliant

Meets Materials Specifications for VOC emissions section 01350

**SierraPine**  
COMPOSITE SOLUTIONS

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800-676-3339

# SUSTAINABLE DESIGN FIBERBOARD

## When the earth demands affordable excellence...

**Sustainable Design Fiberboard (SDF)** from SierraPine is the result of a long-standing commitment and proven expertise in the manufacturing of sustainable, environmentally preferable, medium density fiberboard for nearly two decades. All SierraPine SDF products feature formaldehyde-free binder systems, recycled wood fiber and the option of FSC Chain of Custody Certification. SierraPine SDF products potentially support LEED® 2009 credits MRc4, 5, 7 and IEQc4.4. Visit our website to learn more about sustainable particleboard and moulding options from SierraPine.

### 4 WAYS TO GO GREEN WITH SDF

 <p><b>A</b> AFFORDABILITY</p>		<ul style="list-style-type: none"> <li>• Performance characteristics equal to standard MDF</li> <li>• Most affordable SDF panel</li> <li>• Available through selected distributors throughout North America</li> </ul>
<p><b>V</b> VERSATILITY</p>		<ul style="list-style-type: none"> <li>• Exceeds standard MDF physical properties, meets MR30 advanced bond integrity</li> <li>• Engineered for interior applications</li> <li>• Specified in hundreds of Commercial, Institutional and Conservator projects since 1989</li> </ul>
<p><b>D</b> DURABILITY</p>		<ul style="list-style-type: none"> <li>• Moisture resistant SDF panel</li> <li>• Passes 6 cycle accelerated aging test</li> <li>• The highest physical properties of any SDF product, meets ANSI MR50</li> </ul>
<p><b>S</b> SAFETY</p>		<ul style="list-style-type: none"> <li>• Flame retardant SDF panel</li> <li>• Class 1 (A) Certified</li> <li>• Flame Spread Rating: 25</li> <li>• Smoke Developed Rating: 50</li> </ul>

For more information about our SDF products, contact SierraPine at [sdf@sierrapine.com](mailto:sdf@sierrapine.com)  
3010 Lava Ridge Court, Suite 220 • Roseville, CA 95661 • (800) 676-3339 • [www.sierrapine.com](http://www.sierrapine.com)

**SierraPine**  
COMPOSITE SOLUTIONS