

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 ³	769 kg/m ³
Internal Bond	150 lb/in ²	1.03 N/mm ²
Modulus of Rupture	5,500 lb/in ²	37.90 N/mm ²
Modulus of Elasticity	550,000 lb/in ²	3,790 N/mm ²
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
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**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

3010 Lava Ridge Ct., Suite 220, Roseville, CA 95661
www.sierrapine.com

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

AFFORDABILITY

arreis™

- Performance characteristics equal to standard MDF
- Most affordable SDF panel
- Available through selected distributors throughout North America

VERSATILITY

medite® II

- Exceeds standard MDF physical properties, meets MR30 advanced bond integrity
- Engineered for interior applications
- Specified in hundreds of Commercial, Institutional and Conservator projects since 1989

DURABILITY

medex®

- Moisture resistant SDF panel
- Passes 6 cycle accelerated aging test
- The highest physical properties of any SDF product, meets ANSI MR50

SAFETY

medite FR®

- Flame retardant SDF panel
- Class 1 (A) Certified
- Flame Spread Rating: 25
- Smoke Developed Rating: 50

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

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COMPOSITE SOLUTIONS