

Features & Benefits

- Formaldehyde-free adhesive system
- Significantly exceeds standard MDF physical properties
- Passes ASTM D1037-96a six-cycle accelerated aging test
- FSC certified panels available upon request

Mill Capabilities

- Panels available in 4' and 5' widths and lengths up to 18' (minimum order may be required for some sizes)
- Thicknesses ranging from 3/8" - 1+1/4"
- Available in higher densities with a minimum order requirement

Handling & Installation

- Store indoors on a flat, level surface with adequate support to prevent sagging
- Readily accepts and holds hardware including staples, screws, other wood fastening hardware.
- Standard wood product finishing processes apply to Medex®. It can be painted, stained, laminated or veneered.
- For best results, Medex® 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 surpasses ANSI A208.2 Grade 150 requirements.

Finishing Instructions

Guidelines for commercial signage are available by request from SierraPine.

Limitations

Medex® is not suitable for structural applications, exterior siding or exterior trim.

Ideal Applications

- LEED® Projects
- Countertops
- Window Sills
- Bathroom & Kitchen Cabinets/Woodwork
- Bow & Bay Window Boards
- Display Cases
- Raised Panel Door Inserts

Medex® is a sustainable, moisture resistant, medium density fiberboard (MDF) panel utilizing a formaldehyde-free adhesive system and 100% post-industrial recycled wood fiber. Medex® is engineered for interior high moisture areas in non-structural applications in place of sanded plywood and solid wood. Medex® gives you the versatility of a superior composite panel with the strength and emissions of lumber and other grain wood products. Medex® 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	200 lb/in ²	1.38 N/mm ²
Modulus of Rupture	6,000 lb/in ²	41.34 N/mm ²
Modulus of Elasticity	600,000 lb/in ²	4,134 N/mm ²
Modulus of Hardness	1,200 lbs, Janka ball	5,338 N
Screw Holding, Face	350 lbs	1,557 N
Screw Holding, Edge	275 lbs	1,223 N
Thickness Tolerance	± 0.005 inch	±0.127 mm
Thickness Swell		3%
Linear Expansion		0.30%
Water Absorption		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.
Specific design applications and technical data are available upon request.



Potential of 6 LEED® Credits Supported

Materials & Resources: 4.1, 4.2, 5.1, 5.2, 7
Indoor Environmental Quality: 4.4



FSC Certified (Mixed Credit)

Cert no. SCS-COC-001409
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SCS Certified

Post-Industrial Recycled Wood Fiber
No-Added Formaldehyde



CHPS Compliant

Meets Materials Specifications for VOC emissions section 01350



EPP Certified

Composite Panel Association
Environmentally Preferable Product

SierraPine
COMPOSITE SOLUTIONS

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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

SierraPine
COMPOSITE SOLUTIONS