

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

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

800-676-3339