

## 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 <sup>3</sup>	769 kg/m <sup>3</sup>
Internal Bond	200 lb/in <sup>2</sup>	1.38 N/mm <sup>2</sup>
Modulus of Rupture	6,000 lb/in <sup>2</sup>	41.34 N/mm <sup>2</sup>
Modulus of Elasticity	600,000 lb/in <sup>2</sup>	4,134 N/mm <sup>2</sup>
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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