



MDF

MEDFORD, OR

TECHNICAL DATA

Widths*	4 & 5 ft	1.22 & 1.52 m
Lengths*	up to 18 ft	up to 5.49 m
Thicknesses	1/4 – 1-1/4 in	6.35 – 31.80 mm
Density	48 lbs/ft ³	769 kg/m ³
Internal Bond	250 psi	1.72 N/mm ²
Modulus of Rupture/MOR	5,500 psi	37.9 N/mm ²
Modulus of Elasticity/MOE	550,000 psi	3,792 N/mm ²
Hardness/MOH	1,200 lbs	5,338 N
Screw Holding – Face**	325 lbf	1,446 N
Screw Holding – Edge**	280 lbf	1,245 N
Thickness Swell	3%	
Linear Expansion	0.25%	
Moisture Content	4 – 6%	
Flame Spread Rating	Class C (3)	
Dimensional Tolerances:		
Length/Width	±0.080 in	±2.0 mm
Squareness	±0.036 in/ft	±3.0 mm/m
Thickness – panel average from specified	±0.005 in	±0.125 mm
Thickness – variance from panel average	±0.005 in	±0.125 mm

Values represent averages for 3/4" panels. Physical properties may vary by thickness. All mechanical properties are tested in accordance with ASTM D1037.

Customer-specified grades are available by request and subject to minimum order quantities.

*Actual length and width panel dimensions are one inch longer than stated size.

**Note: panels less than 3/8" are not tested for Screw Holding.

MEDIUM DENSITY FIBERBOARD

Medex® MR50 is available for all sizes and thicknesses providing superior strength and durability. Medex® is made with no added formaldehyde (NAF).

Medex® exceeds MR 50 requirements by retaining more than 50% of its original MOR.

Medex® is the top specified MR50 MDF panel.

COMMON APPLICATIONS

- Cabinetry for high-moisture areas
- Furniture
- Lockers
- Retail displays
- Entry doors
- Signs
- Countertop substrate in high-moisture areas
- Wall cladding
- Millwork & trim in high-moisture areas



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STANDARDS & CERTIFICATIONS

Roseburg Medex® MDF is tested and certified to meet or exceed the following standards and certifications.

Moisture Resistant



Exceeds MR50 requirements by retaining more than 50% of its original MOR offering superior strength and durability.

Formaldehyde Emissions Regulations – Third party certified (TPC-1) to meet the requirements of:



EPA Formaldehyde Emission Regulation, TSCA Title VI*



Standards Council of Canada Formaldehyde Emissions Standard for Composite Wood Products – CAN/CSA 0160-16*



No Added Formaldehyde (NAF) Exempt – N-24-313A*

Recycled Content



Third-party certified 94.4% pre-consumer recycled content.

Environmental Product Declaration



Type III Product Specific EPD Certified by UL Environment

Forest Stewardship Council®



Scientific Certification Systems Certified (SCS-COC/CW-00300) – FSC-C017580 FSC® Mix and FSC® Controlled Wood - AVAILABLE OPTION*

Eco-Certified Composite Grademark Program



CPA ECC Sustainability Standard*

*Certificates and documentation available at Roseburg.com

GREEN BUILDING SUPPORT:

For LEED® and other green building support documentation, visit roseburg.com/product/medex



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