

# Medex®

## MDF

MEDFORD, OR

### TECHNICAL DATA

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



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

#### Eco-Certified Composite Grademark Program



CPA ECC Sustainability Standard\*

\*Certificates and documentation available at [Roseburg.com](http://Roseburg.com)

### GREEN BUILDING SUPPORT:

For LEED<sup>®</sup> and other green building support documentation, visit [roseburg.com/product/medex](http://roseburg.com/product/medex)



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