Medex® is a sustainable, moisture resistant, medium density fiberboard (MDF) panel utilizing a synthetic resin system and pre-consumer recycled wood fiber. Medex® is engineered for interior high moisture areas in non-structural applications and is used in place of sanded plywood or solid wood. With the versatility of a superior composite wood panel and the enhancement of indoor air quality, Medex® has been specified in hundreds of commercial, institutional and conservator projects since the 1980s. Manufactured in Medford, OR.

### Features & Benefits
- Awarded CARB NAF Exemption due to synthetic resin system
- Significantly exceeds standard MDF physical properties
- Meets physical properties of ANSI A208.2-2009 Grade 155 MR50
- Passes the ASTM D1037-06a 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’
- Thicknesses ranging from 1/4” - 1-1/4”
- Available in higher densities with a minimum order requirement
- Minimum order may be required for some sizes and thicknesses

### Handling & Installation
- Store indoors on a flat, level surface with adequate support to prevent sagging
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures.
- For best results, Medex® should be conditioned to the environment 48-72 hours prior to installation.

### Finishing Instructions
Guidelines for commercial signage applications are available on our website or by request from Roseburg.

### How to Specify
Industrial Grade Medium Density Fiberboard (MDF), manufactured with a synthetic resin system which meets physical properties of ANSI A208.2-2009 Grade 155 specifications.

### 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

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### Technical Data

<table>
<thead>
<tr>
<th></th>
<th>Imperial</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>48 lb/ft³</td>
<td>769 kg/m³</td>
</tr>
<tr>
<td>Internal Bond</td>
<td>200 lb/in²</td>
<td>1,38 N/mm²</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>5,500 lb/in²</td>
<td>37.89 N/mm²</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>600,000 lb/in²</td>
<td>4,134 N/mm²</td>
</tr>
<tr>
<td>Modulus of Hardness</td>
<td>1,200 lbs, Janka ball</td>
<td>5,115 N</td>
</tr>
<tr>
<td>Screw Holding, Face</td>
<td>325 lbs</td>
<td>1,446 N</td>
</tr>
<tr>
<td>Screw Holding, Edge</td>
<td>280 lbs</td>
<td>1,245 N</td>
</tr>
<tr>
<td>Thickness Tolerance</td>
<td>± 0.005 inch</td>
<td>±0.127 mm</td>
</tr>
<tr>
<td>Thickness Swell</td>
<td>3%</td>
<td></td>
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<tr>
<td>Linear Expansion</td>
<td>0.25%</td>
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<tr>
<td>Water Absorption</td>
<td>6%</td>
<td></td>
</tr>
<tr>
<td>Flame Spread Rating</td>
<td>Class 3 (C)</td>
<td></td>
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<tr>
<td>Moisture Content</td>
<td>4 - 6%</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde Emissions</td>
<td>as low as 0.01 ppm</td>
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</tbody>
</table>

Average physical properties for 3/4” panel, based on a 5 panel average, when tested in accordance with ASTM D1037. Specific design applications and technical data are available upon request. Emissions tested in accordance with ASTM E-1333.

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### Certification
- SCS Certified
- 92% Pre-Consumer
- Recycled Content
- SCS Validation
- No Added Formaldehyde
- LEED® 2009 Credits Supported
- Materials & Resources: 4, 5, 7
- Indoor Environmental Quality: 4, 4
- LEED® v4 Credits Supported
- Indoor Environmental Quality - Low-Emitting Materials: Composite Wood Evaluation
- Materials & Resources - Building Product Disclosure and Optimization
  - Sourcing of Raw Materials
  - Material Ingredients
  - Environmental Product Declaration
- CHPS Compliant
- Meets Materials Specifications for VOC emissions section 01350

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