The most technically diverse line of MDF products in North America. From moisture resistant to flame retardant to no-added formaldehyde, Roseburg has an MDF panel to suit your every need. Working on a LEED® Project? You’ll be pleased to know that all of Roseburg MDF may contribute to points for Materials & Resources - Recycled Content. In addition, we have a line of Sustainable Design Fiberboard products that contribute to Indoor Environmental Quality points due to our manufacturing process that uses a formaldehyde free binder system.
Medite® II is a sustainable medium density fiberboard (MDF) panel utilizing a synthetic resin system and pre-consumer recycled wood fiber. Medite® II is engineered for non-structural applications and can be used in place of sanded plywood and solid wood for applications where higher physical properties than standard MDF are needed. This panel provides the flexibility of a superior composite panel with the emissions of lumber and other grain wood products. Medite® II 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
- Exceeds standard MDF physical properties
- Meets physical properties of ANSI A208.2-2009 Grade 155 MR 30
- Available in higher densities with a minimum order requirement
- Uniform density product available for multi-level machining and powder coating
- 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” - 1-1/2”
- 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, Medite® II should be conditioned to the environment 48-72 hours prior to installation.

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

### Limitations
Medite® II is not suitable for structural or exterior applications.

### Ideal Applications
- LEED® Projects
- Architectural Woodwork
- Cabinetry
- Wall Panels
- Moulding
- Display Cases

### Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Imperial</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>47 lb/ft³</td>
<td>753 kg/m³</td>
</tr>
<tr>
<td>Internal Bond</td>
<td>170 lb/in²</td>
<td>1.17 N/mm²</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>4,500 lb/in²</td>
<td>34.45 N/mm²</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>450,000 lb/in²</td>
<td>3,790 N/mm²</td>
</tr>
<tr>
<td>Modulus of Hardness</td>
<td>1,050 lbs</td>
<td>4,670 N</td>
</tr>
<tr>
<td>Screw Holding, Face</td>
<td>300 lbs</td>
<td>1,334 N</td>
</tr>
<tr>
<td>Screw Holding, Edge</td>
<td>250 lbs</td>
<td>1,110 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>4.5%</td>
<td></td>
</tr>
<tr>
<td>Linear Expansion</td>
<td>0.27%</td>
<td></td>
</tr>
<tr>
<td>Water Absorption</td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>Flame Spread Rating</td>
<td>Class 3 (C)</td>
<td></td>
</tr>
<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>
<td></td>
</tr>
</tbody>
</table>

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

### SCS Certified
92% Pre-Consumer Recycled Content

### FSC-C017580
The mark of responsible forestry (Available upon request)

### ECC Certified
Specification CPA ECC 4-11 CARB Third Party Certificate TPC-1

### 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 Certified
Meets Materials Specifications for VOC emissions section 01350

Medite® II provides the flexibility of a superior composite panel with the emissions of lumber and other grain wood products. It is designed for non-structural applications and can be used in place of sanded plywood and solid wood for applications where higher physical properties than standard MDF are needed. This panel offers the benefits of a superior composite panel with emissions typical of lumber and other grain wood products.

**Certifications:**
- SCS Certified
- FSC-C017580
- ECC Certified
- SCS Validation

**Specifications:**
- SDF Sustainable Design Fiberboard
- Density: 47 lb/ft³ (753 kg/m³)
- Internal Bond: 170 lb/in² (1.17 N/mm²)
- Modulus of Rupture: 4,500 lb/in² (34.45 N/mm²)
- Modulus of Elasticity: 450,000 lb/in² (3,790 N/mm²)
- Modulus of Hardness: 1,050 lbs (4,670 N)
- Screw Holding, Face: 300 lbs (1,334 N)
- Screw Holding, Edge: 250 lbs (1,110 N)
- Thickness Tolerance: ± 0.005 inch (±0.127 mm)
- Thickness Swell: 4.5%
- Linear Expansion: 0.27%
- Water Absorption: 8%
- Flame Spread Rating: Class 3 (C)
- Moisture Content: 4 - 6%
- Formaldehyde Emissions: as low as 0.01 ppm

**Additional Information:**
- **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, Medite® II should be conditioned to the environment 48-72 hours prior to installation.

**Ideal Applications:**
- LEED® Projects
- Architectural Woodwork
- Cabinetry
- Wall Panels
- Moulding
- Display Cases

**Limitations:**
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