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® FR is a sustainable Class 1 flame retardant medium density fiberboard (MDF) panel manufactured from pre-consumer recycled wood, meeting the most stringent formaldehyde emission standards in the world. Our patented manufacturing process utilizes a synthetic resin system to produce Medite® FR. During processing, an additive is blended with the fibers to provide flame-retardant properties throughout the board. Unlike surface topical flame retardant coatings, the flame retardant properties of Medite® FR aren’t compromised when the panel is machined or sanded. Medite® FR is the ideal product for interior applications that require a certified Class 1 product and where certain indoor air quality requirements are specified. Manufactured in Medford, OR

**Features & Benefits**
- Awarded CARB NAF Exemption due to synthetic resin system. Meets CARB ATCM 93120 Phase 2 emission requirements.
- Class 1 certified MDF with performance characteristics comparable to standard MDF
- Meets physical properties of ANSI A208.2-009, Grade 130
- New York City MEA Approved
- 5/8” and thicker panels meet extended burn requirements
- Core is dyed red for easy identification
- FSC® certified panels available upon request
- LEED® 2009 Credits Supported:
  - Materials and 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

**Mill Capabilities**
Panels available in the following dimensions:
- 4’ and 5’ widths, lengths up to 18’
- 1/4” - 1-1/4” thicknesses
- 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.
- For best results, Medite® FR should be conditioned to the final environment 48-72 hours prior to installation.
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures.

**Limitations**
Medite® FR is not suitable for exterior or structural applications.

**How to Specify**
Industrial Grade Medium Density Fiberboard (MDF), manufactured with a synthetic resin system and certified as a Class 1 Flame Retardant panel in accordance with ASTM E84-02011A.

**Painting/Laminating**
When choosing a coating or laminate system, confirm compatibility of the paint, laminate or adhesive with the respective manufacturer and ensure the Class 1 flame spread classification of the Medite® FR panel will not be adversely affected. Before use remove any dust from surface of panels.

**Ideal Applications**
LEED® Projects, Schools, Libraries, Hospitals, Theatres, Offices & Museums

**Technical Data**

<table>
<thead>
<tr>
<th></th>
<th>3/8”</th>
<th>3/4”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>50 lb/ft³</td>
<td>50 lb/ft³</td>
</tr>
<tr>
<td>Internal Bond</td>
<td>180 lb/in²</td>
<td>130 lb/in²</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>4,200 lb/in²</td>
<td>4,000 lb/in²</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>450,000 lb/in²</td>
<td>450,000 lb/in²</td>
</tr>
<tr>
<td>Modulus of Hardness</td>
<td>130 lb/f, Janka ball</td>
<td>120 lb/f, Janka ball</td>
</tr>
<tr>
<td>Screw Holding, Face</td>
<td>N/A</td>
<td>250 lbf</td>
</tr>
<tr>
<td>Screw Holding, Edge</td>
<td>N/A</td>
<td>200 lbf</td>
</tr>
<tr>
<td>Thickness Tolerance</td>
<td>± 0.005 inches</td>
<td>± 0.005 inches</td>
</tr>
<tr>
<td>Thickness Swell</td>
<td>0.03”</td>
<td>10%</td>
</tr>
<tr>
<td>Linear Expansion</td>
<td>0.3%</td>
<td>0.3%</td>
</tr>
<tr>
<td>Flame Spread Rating</td>
<td>Class 1 (A)</td>
<td>Class 1 (A)</td>
</tr>
<tr>
<td>Moisture Content</td>
<td>6 - 9%</td>
<td>6 - 9%</td>
</tr>
<tr>
<td>Formaldehyde Emissions</td>
<td>low as 0.01 ppm</td>
<td>low as 0.01 ppm</td>
</tr>
</tbody>
</table>

Average physical properties for 3/8” and 3/4” panels, 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.

**Testing**
- SCS Certified
- SCS Validation
- No Added Formaldehyde

**SCS Certification**
- SCS-02-339
- No Added Formaldehyde
- SCS-C017750
- The mark of responsible forestry (Available upon request)

**ECC Certified**
- Specification OR ECC-4-11 CARB Third Party Certifier TPC-1

**G U A R D I A N F I R E T E S T L A B**
- GL 49253 Medite FR Mineral and Fiber Boards Surface Burning Characteristics Tested to:
  - CAN/ULC-S102-10 1/2 in - 1-1/4 in.
  - Flame Spread 10
  - Smoke Developed 5

**GUARDIAN FIRE TEST LAB**
- GL 67515 Medite FR Mineral and Fiber Boards Surface Burning Characteristics Tested to:
  - ASTM E84-14 1/4 in - 1-1/4 in.
  - Flame Spread 15
  - Smoke Developed 5

**GUARDIAN FIRE TEST LAB**
- GL 77114 Medite FR Mineral and Fiber Boards Extended Duration Surface Burning Characteristics Tested to:

**ProPly & TruMatch®**
- SFD Sustainable Design Fiberboard
- SCS Certified
- 82% Pre-Consumer Recycled Content
- FSC-C017580 The mark of responsible forestry

**ECC Certified**
- Specification OR ECC-4-11 CARB Third Party Certifier TPC-1

**G U A R D I A N F I R E T E S T L A B**
- GL 49253 Medite FR Mineral and Fiber Boards Surface Burning Characteristics Tested to:
  - ASTM E84-14 1/4 in - 1-1/4 in.
  - Flame Spread 10
  - Smoke Developed 5

**GUARDIAN FIRE TEST LAB**
- GL 67515 Medite FR Mineral and Fiber Boards Surface Burning Characteristics Tested to:
  - ASTM E84-14 1/4 in - 1-1/4 in.
  - Flame Spread 15
  - Smoke Developed 5

**GUARDIAN FIRE TEST LAB**
- GL 77114 Medite FR Mineral and Fiber Boards Extended Duration Surface Burning Characteristics Tested to:

**MEETS CONDITIONS OF CLASSIFICATION**

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**Revised 03/16**