Arreis®, a sustainable medium density fiberboard (MDF) panel is manufactured from pre-consumer recycled wood fiber and meets the most stringent formaldehyde emission standards in the world. Roseburg’s manufacturing process utilizes a synthetic resin system to produce Arreis®, the ideal sustainable design fiberboard (SDF) for commercial interior applications. Manufactured in Medford, OR.

### Features & Benefits
- Awarded CARB NAF Exemption due to synthetic resin system
- Performance characteristics equal to standard MDF
- Most affordable NAF product line
- Meets physical properties of ANSI A208.2-2009 Grade 130
- ANSI MR10 moisture resistant properties on 5/8” and thicker
- 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 away from products containing urea-formaldehyde. Provide adequate support to prevent sagging
- Refer to Architectural Woodwork Standards (AWS) for fabrication and installation procedures.
- For best results, Arreis® 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 and which meets the physical properties of ANSI A208.2-2009 Grade 130 specifications.

### Finished Product Options
- Decorative Surfaces
- Hardwood Veneer
- Pre-primed, profiled, lineal mouldings
Ask your Roseburg sales representative for more information.

### Ideal Applications
- LEED® Projects
- Cabinetry
- Furniture
- Moulding & Millwork
- Casework
- Wall Panels
- Shelving
- Retail Fixtures
- Museum Displays

### 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>130 lb/in²</td>
<td>0.89 N/mm²</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>3,800 lb/in²</td>
<td>27.60 N/mm²</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>450,000 lb/in²</td>
<td>3,102.6 N/mm²</td>
</tr>
<tr>
<td>Modulus of Hardness</td>
<td>950 lbs, Janka ball</td>
<td>4,448 N</td>
</tr>
<tr>
<td>Screw Holding, Face</td>
<td>225 lbs</td>
<td>1,001 N</td>
</tr>
<tr>
<td>Screw Holding, Edge</td>
<td>200 lbs</td>
<td>890 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>5%</td>
<td></td>
</tr>
<tr>
<td>Linear Expansion</td>
<td>0.3%</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 - 8%</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde Emissions</td>
<td>as low as 0.01 ppm</td>
<td>as low as 0.01 ppm</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.

### 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 - Blending Product Disclosure and Optimization
  - Sourcing of Raw Materials
  - Material Ingredients
  - Environmental Product Declaration

### CHPS Compliant
- Meets Materials Specifications for VOC emissions section 01350

### Japanese F-4 Star
- MLIT Compliant

---

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 Certifier TPC-1

SCS Validation
No Added Formaldehyde

541-784-4070
P.O. Box 1088, Roseburg, OR 97470
www.Roseburg.com

Revised 09/15