Encore™ MR50 is a sustainable design particleboard (SDP) panel manufactured from pre-consumer recycled wood residuals and meets the most stringent formaldehyde emissions standards in the world. Ampine’s® manufacturing process utilizes a formaldehyde-free (NAF) adhesive system to produce Encore MR50, the ideal SDP for your demanding interior moisture resistant applications. Encore MR50 is third party tested using the ASTM D 1037-12 testing method prescribed by ANSI A208.1-2016 subsection 4.3.3 and 4.3.4 and is the only MR50 Industrial M3i panel on the market today.

### Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>47.5 lb/ft³</td>
</tr>
<tr>
<td>Internal Bond</td>
<td>170 lb/in²</td>
</tr>
<tr>
<td>Modulus of Rupture</td>
<td>3,150 lb/in²</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>500,000 lb/in²</td>
</tr>
<tr>
<td>Hardness</td>
<td>950 lbs Janka</td>
</tr>
<tr>
<td>Screw Holding, Face</td>
<td>360 lbs</td>
</tr>
<tr>
<td>Screw Holding, Edge</td>
<td>270 lbs</td>
</tr>
<tr>
<td>Thickness Tolerance</td>
<td>± 0.005&quot;</td>
</tr>
<tr>
<td>Length/Width Tolerance</td>
<td>± 1/16&quot;</td>
</tr>
<tr>
<td>Squareness Tolerance</td>
<td>± 1/8&quot;</td>
</tr>
<tr>
<td>Flame Spread Rating</td>
<td>Class 3 (C)</td>
</tr>
</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.
Features & Benefits

• Awarded CARB NAF Exemption due to synthetic resin system. Meets CARB ATCM 93120 Phase 2 emission requirements.
• Formaldehyde-free (NAF) resin system
• Meets ANSI A208.1-2016 moisture resistant specifications for MR50
• The only M3i Industrial MR50 panel on the market
• Formulated specifically for your most demanding applications
• FSC® Mix Credit certified panels available upon request

Mill Capabilities

• 4’ and 5’ widths
• Lengths up to 24’
• Custom sizes available upon request
• Cut-to-size and special packaging available
• Minimums may apply

Handling & Storage

• Store indoors on a flat, level surface with adequate support to prevent sagging
• Refer to Architectural Woodworking Standards (AWS) for fabrication and installation processes
• For best results, panels should be conditioned to the environment for 48-72 hours prior to fabricating

Ideal Applications

• LEED® projects
• Schools
• Hospitals
• Hospitality
• Airports
• Cabinetry
• Laminating substrate
• Furniture
• Casework
• Fixtures

Timber Products Company is one of the nation’s largest and most respected manufacturers of a comprehensive range of wood products. As an independently owned, fully integrated company with dedicated manufacturing facilities in both the western and eastern United States, we provide immediate access to a tremendous selection of products and services. We’ve implemented new technologies to make our operations more efficient and our products more cost-effective. We can respond to your needs faster, with greater flexibility and with an absolute assurance of quality.

That’s a tremendous resource for any business.

Company Divisions

Hardwood Plywood
Component Solutions
Decorative Panels
Particleboard
Hardwood Lumber
Hardwood Veneer
Softwood Veneer
Softwood Plywood
Timberlands
TP Trucking
Timber Products Global