Today's particleboard gives industrial users the consistent quality and design flexibility needed for fast, efficient production lines and quality consumer products. Particleboard panels are manufactured in a variety of dimensions with a wide range of physical properties, providing maximum design flexibility for specifiers and end users.

Particleboard is widely used in the manufacture of office and residential furniture, countertops, kitchen cabinets, shelving, store fixtures, underlayment, door core and stair treads.

**PRODUCT STANDARDS, CERTIFICATION AND ENVIRONMENTAL SPECIFICATIONS**

ANSI A208.1 Particleboard is the North American industry voluntary standard. It classifies particleboard by density and strength, and covers physical, dimensional and mechanical characteristics as well as formaldehyde emission levels. ANSI A208.1 was developed through the sponsorship of the Composite Panel Association (CPA) in conjunction with producers, users and general interest groups. A summary of the Particleboard Property Requirements is included in this Guide and copies of ANSI A208.1 are available from CPA.
Third-party certification to ANSI 208.1 is required for many applications of composite panels. For example, many building code jurisdictions require the physical properties of particleboard underlayment and stair treads to be third-party certified. All manufacturers of particleboard sold in the U.S. must meet the third-party certification and formaldehyde emissions testing requirements under EPA’s TSCA Title VI and CARB ATCM 93120.

Environmental Product Declarations (EPDs) are the widely accepted standardized specification format for communicating the environmental footprint and performance of a product. EPDs are the definitive source of environmental technical data that is scientifically based on life cycle analysis and can be used to directly compare alternative product materials. The existing industry-wide EPD for North American particleboard was recently updated and is now available. See “Selecting Composite Wood Panels” on pages 8-9 of this Guide for additional information.
FORMALDEHYDE EMISSION LIMITS

In compliance with EPA TSCA Title VI and CARB ATCM 93120, ANSI A208.1 allows for a maximum of 0.09 ppm emission level for particleboard. To meet the needs of the market, many particleboard manufacturers offer ultra-low emitting formaldehyde (ULEF) and no-added formaldehyde (NAF) products. Those companies currently producing ULEF and NAF products are identified in the product listings in this Guide.

In addition, CPA’s Eco-Certified Composite (ECC) Grademark Certification Program requires that certified participants meet the stringent emission limits in the EPA TSCA Title VI and CARB ATCM 93120 regulations.

Finally, various overlays and surface treatments have been shown to significantly reduce product emissions. For additional information about emissions, see the CPA Technical Bulletin "VOC Emission Barrier Effects."
## Particleboard

**PARTICLEBOARD 2020**

**INDUSTRIAL GRADES**

### Special Items and Treatments

- **PRESS SIZE (FT.):**
- **THICKNESS RANGE (IN.):**
- **DENSITY RANGE (LBS/FT):**

### Company and Mill Location

#### Arauco North America
- **Company and Mill Location:** Albany, Oregon
  - **Brand Names:** Duraflake®, Vesta FR, Vesta ULEF/NAF
  - **Wood Species:** Douglas Fir, Hemlock
  - **Wood FSC:**
  - **ECC Certified:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 4 x 24, 6 x 26
  - **Thickness Range (IN.):** 3/8 - 1-15/16
  - **Density Range (LBS/FT):** 32 - 55

#### Bestboard Impulsora S.A. de C.V
- **Company and Mill Location:** Tijuana, Mexico
  - **Brand Names:** Best Board
  - **Wood Species:** Pine (Some Recycled)
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 4 x 20
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 40 - 47

#### Collins Products LLC
- **Company and Mill Location:** Klamath Falls, Oregon
  - **Brand Names:** Collins Pine Particleboard, Collins Pine FreeForm®, Collins Pine MR50
  - **Wood Species:** Western Pine
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 40 - 47

### Duraplay de Parral, S.A.P.I. de C.V.
- **Company and Mill Location:** Parral, Chihuahua, Mexico
  - **Brand Names:** Duraplay, Ultraplay, Duramel, Duramel Sense, Duracore, Duralam
  - **Wood Species:** Ponderosa Pine
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 40 - 47

### Florida Plywoods, Inc.
- **Company and Mill Location:** Greenville, Florida
  - **Brand Names:**
  - **Wood Species:** Southern Yellow Pine
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 40 - 47

### GP Wood Products LLC
- **Company and Mill Location:** Diboll, Texas
  - **Brand Names:** Temstock
  - **Wood Species:** Southern Pine
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 41 - 52

### Kronospan PB LLC
- **Company and Mill Location:** Eastaboga, Alabama
  - **Brand Names:** Kronobuild
  - **Wood Species:** Southern Pine
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 41 - 52

### Maderas Conglomeradas S.A. de C.V.
- **Company and Mill Location:** Tlaquilpan, Mexico
  - **Brand Names:** MACOPAN
  - **Wood Species:** Pine / Softwood
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 8 x 24
  - **Thickness Range (IN.):** 3/8 - 1-1/8
  - **Density Range (LBS/FT):** 41 - 52

### Marshfield Doorsystems, Inc.
- **Company and Mill Location:** Marshfield, Wisconsin
  - **Brand Names:** Uni-Cor ST, Uni-Cor ST Lite, Uni-Cor FR
  - **Wood Species:** Aspen, Basswood, Northern Hardwoods
  - **Wood FSC:**
  - **Industrial Grades:**
  - **Press Size (FT.):** 7 x 9
  - **Thickness Range (IN.):** 1-1/8 - 2-1/4
  - **Density Range (LBS/FT):** 28 - 37
<table>
<thead>
<tr>
<th>Company</th>
<th>Website</th>
<th>Phone</th>
<th>Wood Species</th>
<th>Species &amp; Treatments</th>
<th>Minimum Thickness</th>
<th>Total Range</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ARAUCO NORTH AMERICA</strong>&lt;br&gt;www.arauco-na.com • (800) 268-9830</td>
<td>Bennettsville, South Carolina</td>
<td>UltraPB®, Vesta ULEF, MR, Pine FSC</td>
<td>3/8 – 1-15/16</td>
<td>32 – 55</td>
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<tr>
<td><strong>Bennettsville, South Carolina</strong></td>
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<td>3/8 – 1-15/16</td>
<td>32 – 55</td>
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<td>3/8 – 1-15/6</td>
<td>32 – 55</td>
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<td><strong>ROSEBURG</strong>&lt;br&gt;www.roseburg.com • (800) 245-1115</td>
<td>Dillard, Oregon</td>
<td>Fir, Pine Blend</td>
<td>3/8 – 1-1/4</td>
<td>40 – 50</td>
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<td></td>
<td>Missoula, Montana</td>
<td>Western Pine, White Fir</td>
<td>5 x 24</td>
<td>1/4 – 1-1/2</td>
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<td>Simsboro, Louisiana</td>
<td>Southern Pine</td>
<td>8 x 24</td>
<td>3/8 – 1-1/2</td>
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<td></td>
<td>Taylorville, Mississippi</td>
<td>Southern Pine</td>
<td>5 x 24</td>
<td>1/2 – 1-1/4</td>
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<td><strong>TAFISA CANADA INC.</strong>&lt;br&gt;www.tafisa.ca • (888) 882-3472</td>
<td>Lac-Mégantic, Quebec</td>
<td>Spruce, Pine, Fir, Maple, Birch, Aspen</td>
<td>1/4 &amp; 10 x Continuous</td>
<td>38 – 44</td>
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<td><strong>TIMBER PRODUCTS COMPANY</strong>&lt;br&gt;(COMPOSITE PANEL GROUP)</td>
<td>Medford, Oregon</td>
<td>Fir, Pine</td>
<td>3/8 – 13/4</td>
<td>30 – 47</td>
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<td>Martell, California</td>
<td>Western Pine</td>
<td>1/4 – 1-1/4</td>
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<td><strong>UNIBOARD</strong>&lt;br&gt;www.uniboard.com • (800) 263-5240</td>
<td>Sayabec, Quebec</td>
<td>Softwood, Hardwood</td>
<td>3/8 – 1-3/16</td>
<td>28 – 50</td>
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<td>Val-d’Or, Quebec</td>
<td>Softwood, Hardwood</td>
<td>3/8 – 1-1/8</td>
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<td><strong>WEBB FURNITURE ENTERPRISES, INC.</strong></td>
<td>Galax, Virginia</td>
<td>Pine</td>
<td>3/8 – 1-1/8</td>
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<tr>
<td><strong>WOODGRAIN COMPOSITES</strong>&lt;br&gt;www.woodgraincomposites.com • (888) 264-7372</td>
<td>La Grande, Oregon</td>
<td>Western Pine, Mixed Softwoods</td>
<td>3/8 – 1-3/16</td>
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</table>

**SPECIAL ITEMS AND TREATMENTS:** Base Coat (B), Bullnose Edge (BE), Countertop (C), Concrete Form (CF). Cut to Size (CS), Door Core (DC), Door Stiles and Rails (SR). Edge Fill (EF), Edge Tape (ET), Fill (F), Fire Retardant (FR), Flush Door Skins (FD), Foil (FO), High Density (HD), Hot Melt Wax (HM), Laminate Flooring Substrate (LF), Laminated Products (LP), Lockblocks (LB), Low Density (LD), Thermally Fused Laminate (TFL), Mende (MN), Moisture Resistant (MR), Moulding (MO), Moulded Door Skins (MDS), Paint (P), Paper (PA), Perforated (PE), Prefinished (PF), Print (PR), Shelving (S), Smooth Siding (SS), Stair Tread (ST), Textured Siding (TS), Topcoat (T), Tongue and Groove (TG), Turning and Moulding (TM), Vinyl (V), Wood Veneer (W)

* Manufacturers that meet the no-added formaldehyde (NAF) and/or ultra-low emitting formaldehyde (ULEF) requirements of EPA's TSCA Title VI and CARB. See CompositePanel.org for the most current list of approved manufacturers.
Information about company products offered by category can be found on pages 84-97.