

Particleboard



SkyBlend Particleboard

SkyBlend is engineered to meet today's green building standards. It is a particleboard that is produced using 100% recycled and/or recovered wood fiber. It is No Added Urea Formaldehyde (NAUF), Forest Stewardship Council (FSC) certified and will meet all the requirements of CARB Phase II. SkyBlend is listed in the USDA's BioPreferred catalog and has Federal Procurement Preference status and can contribute to achieving credits in LEED specified construction projects.



Benefits

In addition to the sustainability benefits associated with utilization of wood as a renewable resource; SkyBlend composite wood panels are engineered to meet today's green building requirements with specific focus on strict indoor environmental quality standards. SkyBlend is produced with a no added urea formaldehyde (NAUF) thermosetting resin system that com-

plies with the US Green Building Council's LEED Standard requirements for low-emitting materials in composite wood products (IEQ Credit 4.4).

SkyBlend is a premium-quality, mat-formed, multilayer wood particle panel and is available as raw board or can be specified as a core for Roseburg Decorative Panels.

Properties

Listed below are physical and mechanical properties for Roseburg's SkyBlend Composite Panels. Mechanical properties are results of tests conducted in accordance with ASTM D 1037-06a, "Standard Test

Methods for Evaluating the Properties of Wood-Based Fiber and Particle Panel Materials."

	Density Range (pcf)	MOR (psi)	MOE (psi)	Internal Bond (psi)	Screw-holding	
					Face (lbs)	Edge (lbs)
SkyBlend (ANSI M2 Grade - L5% values)	47-50	1,885	290,100	58	202	180

Customer specified grades are available and subject to minimum order quantities

Dimensional Tolerances

Length and Width	± 0.080"
Thickness: Panel average from specified Variance from panel average	± 0.008" ± 0.004"
Squareness	± 0.036" per foot of panel width

Other Data

Lineal Expansion 50% to 80% range	0.40% (U95%)
Flame Spread Rating	Class III or C
Moisture Resistance Category MR-10 (Dillard, OR and Taylorsville, MS locations only)	5.5% Max. Thickness Swell

LEED® Credits

- Indoor Environmental Quality: IEQ Credit 4.4: Low-Emitting Materials & Resources: MR Credit 4: Recycled Content
- Materials & Resources: MR Credit 5: Regional Materials
- Materials & Resources: MR Credit 7: Certified Wood

For LEED credit information, go to Roseburg.com or scan the code to the right.



Certifications/Sustainability

- CARB Air Toxic Control Measure:** Third party certified (California ARB approved TPC-1) to comply with CCR 93120.2 (CARB Composite Wood ATCM). Also, conforms to Formaldehyde emission requirements for particleboard in ANSI A208.1-2009
- ECC – Eco-Certified Composite Panel:** Third party certified to meet requirements of the Eco-Certified Composite (ECC) Sustainability Standard CPA 4-11. Standard requires compliance to specifically defined environmental criteria in the fiber sourcing and manufacturing process for composite panels.
- Carbon Footprint:** Roseburg mills producing SkyBlend particleboard have completed (3rd party certified) cradle-to-gate analysis showing the products carbon storage capacity offsets its carbon footprint as determined in kg-CO2 equivalents of greenhouse gas (GHG) emissions.
- Recycled / Recovered Fiber content:** Roseburg Composite panel plants are third party certified to source 100% recycled and/or recovered wood fiber for the manufacture of particleboard.
- FSC – Forest Stewardship Council Certification (SCS-COC-000300):** Roseburg mills are certified to provide product with a *FSC Mix Credit claim*. FSC product must be specified at time of order placement and is subject to credit availability.
- Bio-based Renewable Materials:** Roseburg SkyBlend Particleboard and SkyBlend Duramine laminated panels are listed in the USDA's BioPreferred catalog and have Federal Procurement Preference status.



FSC Certified Mixed Credit particleboard available.



SkyBlend particleboard is intended for interior, non-structural applications only.