

# TECHNICAL DATA SHEET



## Benefits

SkyBlend® is Roseburg's renowned 100 percent recycled or recovered wood fiber particleboard engineered to meet today's green building requirements. It is produced with an ultra low emitting formaldehyde (ULEF) resin system. SkyBlend is available FSC® Certified and can contribute to achieving credit in support of both the LEED® v2009 and LEED v4 standards. SkyBlend is listed in the USDA's BioPreferred catalog and has Federal Procurement Preference status.

SkyBlend is a premium quality, mat-formed, multi-layer wood particle panel and is available as raw board or can be specified as a core for Roseburg Duramine® thermally fused laminate panels, UltraFinish panels, shelving and hardwood plywood.

## 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)
<b>SkyBlend</b> (ANSI M2 Grade - L5% values)	<b>47-50</b>	<b>1,885</b>	<b>290,100</b>	<b>58</b>	<b>202</b>	<b>180</b>

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® credit contribution potential:

SkyBlend Attribute	LEED 2009 Credit Category	LEED V4 Credits Category
CARB approved ULEF resin systems	EQc4.4 - Low emitting materials	Low emitting materials: Composite Wood Evaluation
Certified 100% recycled/recovered wood fiber	MRc4 - Recycled Content	Building product disclosure and optimization – Sourcing of raw materials
SkyBlend manufacturing facilities in 3 states	MRc5 - Regional Materials	Building product disclosure and optimization – Sourcing of raw materials
Available FSC certified	MRc7 - Certified Wood	Building product disclosure and optimization – Sourcing of raw materials

\*note – LEED Credit categories referenced are from the "New Construction" rating system. Other rating system credits can be supported with these noted SkyBlend attributes.

## Certifications/Sustainability

- **CARB Air Toxic Control Measure:** Third-party certified (California ARB approved TPC-1) to comply with CARB ATCM 93120 ULEF Exemption for Formaldehyde Emission Limits. 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 facilities producing SkyBlend particleboard have completed third-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 facilities 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 facilities are certified to provide product with a **FSC Mix Credit claim**. FSC certified 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.



[www.Roseburg.com](http://www.Roseburg.com)



FSC Certified Mix Credit particleboard available.



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

Proudly Distributed By



- US: 888-826-5528
- CAN: 844-365-6995
- [hardwoods-inc.com](http://hardwoods-inc.com)