

Benefits

UltraBlend® panels are a premium-quality, mat-formed, multi-layer, wood particle panel, made predominantly of precision-refined wood particles bonded with thermosetting resins. Roseburg offers its UltraBlend panels with a high-quality, smooth surface, tight, machinable edges and excellent dimensional stability. UltraBlend engineered panels offer controlled performance and precise physical properties for commercial and industrial applications, such as cabinets, fixtures, furniture components and countertops. Featuring a highly refined surface, and tight, uniform core, UltraBlend particleboard panels are designed for the demanding laminating and edge machining applications of today’s precision woodworking industry.

Properties

Listed below are physical and mechanical properties for Roseburg specified grades. 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)
UltraBlend Premium	47-49	2,393	450,000	80	270	225
UltraBlend Plus	46-48	2,100	400,000	75	250	200
UltraBlend	45-47	1,800	350,000	65	225	180
UltraBlend Lite	40-42	1,350	300,000	60	NA	NA

Values represent target averages for typical 3/4” thickness production. Customer or ANSI Grade specified products 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% (max)
Flame Spread Rating	Class III or C

Certifications

FSC® Certification (SCS-COC-000300)



Dillard Composites is certified to provide FSC Mix Credit Certified product. FSC product must be specified at time of order placement and is subject to credit availability.

CARB Air Toxic Control Measure

Third party certified (California ARB approved TPC-1) to comply with CCR 93120.2 (CARB Composite Wood ATCM). Conforms to formaldehyde emission requirements for particleboard in ANSI A208.1-2009 as well.

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.

Recycled/recovered fiber content

Dillard Composites is third party certified to source 100% recycled and/or recovered wood fiber in accordance with ISO 14021 requirements.

Carbon footprint

Roseburg mills producing UltraBlend panels 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.

Bio-based renewable materials

Roseburg UltraBlend Particleboard and Duramine laminated panels are listed in the USDA’s Bio-Preferred catalog and have Federal Procurement Preference status.

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