

Woodgrain 50# Premium Industrial Particleboard

Engineered for higher physical properties and a tighter consolidated core. Where strength meets machinability. Engineered for Interior Use Only.

Description: An engineered composite panel wood product made from 100% recycled Ponderosa pine and associated species of western wood particles formed and bonded with an interior resin.

Specification Conformance: Physical and Mechanical Properties are averages of all thicknesses from normal product runs.

Thickness Range: 3/8" through 1" or 9 mm through 25 mm

Woodgrain Particleboard complies with:

EPA TSCA Title VI, HUD 24 CFR 3280, CCR 93120 CARB ATCM Phase 2, CAN/CSA-0160-16 (Formaldehyde Emissions)
 ECC CPA 4-11 (Sustainability); ANSI A208.1 2016 (Physical Properties)
 Flame spread rating is class C (International Code Council – International Fire Code® and National Fire Protection Association 101 Life Safety Code®) as tested to ASTM E84 and CAN/ULC-S102-10.

Manufacturing Standards: Average	Imperial	Metric
Density	49.0 lb/ft ³	0.793 g/cm ³
Internal Bond	135 psi	0.93 N/ mm ²
Screw Hold - Face	325 lbs	1,446 N
Screw Hold - Edge	225 lbs	1,001 N
Formaldehyde, Emissions (TSCA Title VI)	< 0.09 ppm	< 0.09 ppm
Linear Expansion - Maximum	0.35%	0.35%
Water Absorption - Maximum	20%	20%
Moisture Content	7%	7%
Sanding	120 grit	-

Manufacturing Tolerances	Imperial	Metric
Thickness Average from Target Value*	±0.005 in	±0.127 mm
Thickness Range (within panel) from Panel Average Value	±0.004 in	±0.1016 mm
Length and Width (within panel) from Specified Size	±0.0625 in	±1.5875 mm
Squareness (within panel) Maximum Deviation Between Diagonals	0.125 in	3.175 mm
Straightness (within panel) Maximum bow per 8' length	0.0625 in	1.5875 mm

*Target value 0.005 under nominal

For more information, including sales terms and conditions:

Visit our website: Woodgrain.com

Send us an Email: ParticleboardSales@Woodgrain.com

Give us a Call: 888-264-7372

