



42 Ib PREMIUM COMMERCIAL

Boise Cascade 42# Commercial Particleboard. It's light without the sacrifice. Boise Cascade 42# Commercial Particleboard provides manufacturing and shipping economies that translate into lower purchase costs. Boise Cascade. Keep the quality in your board.

The Productivity Panel.

www.bc.com/particleboard
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Boise Cascade



42 Ib Premium Commercial

CARB Phase 1 and 2

THICKNESS RANGE

1/2" through 3/4" or 12 mm through 18 mm

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

The manufacturing standards shown below represent an average of all our product thickness'. Conforms to American Society of Testing and Materials Fire Test Method E-84 (flamespread rating is Class C).

MANUFACTURING STANDARDS Average	IMPERIAL	METRIC
Density	42.0 lb/ft ³	0.664 g/cm ³
Modulus of Rupture	1,800 psi	12.410 N/mm ²
Modulus of Elasticity	310,000 psi	2,137 N/mm ²
Internal Bond	85 psi	0.586 N/mm ²
Screw Holding - Face	200 lbs	889.6 N
Screw Holding - Edge	140 lbs	622.75 N
Surface Strength	265 psi	1.827 N/mm ²
Hardness	500 lbs	2,224 N
Formaldehyde, Emissions	< 0.18 ppm	< 0.18 ppm
Linear Expansion - Maximum	0.35%	0.35%
Water Absorption - Maximum	20.0%	20.0%
Thickness Swell - Maximum	0.035 inches	0.9 mm
Moisture Content	7.0%	6.8%
Sanding	100 grit	

MANUFACTURING TOLERANCES	IMPERIAL	METRIC
Thickness Average from Target Value* *Target value 0.005 under nominal	±0.005 inches	±0.127 mm
Thickness Range (within panel) from Panel Average Value	±0.004 inches	±0.1016 mm
Length and Width (within panel) from Specified Size	±0.0625 inches	±1.5875 mm
Squareness (within panel) Maximum Deviation Between Diagonal Measurements	0.125 inches	3.175 mm
Straightness (within panel) Maximum Bow per 8' Length	0.0625 inches	1.5875 mm

For more information about BOISE CASCADE PARTICLEBOARD,
including sales terms and conditions, visit our website at

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