



## 45 lb PREMIUM INDUSTRIAL

Boise 45# Premium Industrial Particleboard. Dress it up with a variety of coatings and laminates. Boise 45# Industrial Particleboard is renowned for its machining performance and edge integrity. Boise. The pride of the west.

*The Productivity Panel.*

[www.bc.com/particleboard](http://www.bc.com/particleboard)  
[TWParticleboardSales@BC.com](mailto:TWParticleboardSales@BC.com)  
888-264-7372

**BOISE**<sup>®</sup>

# 45 lb Premium Industrial

## THICKNESS RANGE

3/8" through 1-3/16" or 9 mm through 25 mm

## DESCRIPTION

An engineered composite panel wood product made from 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	45.0 lb/ft <sup>3</sup>	0.721 g/cm <sup>3</sup>
Modulus of Rupture	2,150 psi	14.83 N/mm <sup>2</sup>
Modulus of Elasticity	390,000 psi	2,689 N/mm <sup>2</sup>
Internal Bond	110 psi	0.758 N/mm <sup>2</sup>
Screw Holding - Face	250 lbs	1,112 N
Screw Holding - Edge	175 lbs	778 N
Surface Strength	300 psi	2.06 N/mm <sup>2</sup>
Hardness	900 lbs	4,003 N
Formaldehyde, Emissions	< 0.3 ppm	< 0.3 ppm
Linear Expansion - Maximum	0.35%	0.35%
Water Absorption - Maximum	20.0%	20.0%
Thickness Swell - Maximum	0.035 inches	0.89 mm
Moisture Content	7%	6.8%
Sanding	100 grit	-

MANUFACTURING TOLERANCES	IMPERIAL	METRIC
Thickness Average from Target Value* <i>*Target value 0.005 under nominal</i>	±0.005 inches	±0.127 mm
Thickness Range ( <i>within panel</i> ) from Panel Average Value	±0.004 inches	±0.102 mm
Length and Width ( <i>within panel</i> ) from Specified Size	±0.0625 inches	±1.588 mm
Squareness ( <i>within panel</i> ) Maximum Deviation Between Diagonal Measurements	0.125 inches	3.175 mm
Straightness ( <i>within panel</i> ) Maximum Bow per 8' Length	0.0625 inches	1.588 mm

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

[www.bc.com/particleboard](http://www.bc.com/particleboard)

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