



**Boise Cascade**

# 45 lb Premium Industrial

## CARB Phase 1 Certified

### THICKNESS RANGE

3/8" through 1-1/4" or 9 mm through 30 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	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* *Target value 0.005 under nominal	±0.005 inches	±0.127 mm
Thickness Range (within panel) from Panel Average Value	±0.004 inches	±0.102 mm
Length and Width (within panel) from Specified Size	±0.0625 inches	±1.588 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	1.588 mm

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



**SFI**  
CERTIFIED  
SOURCING

PROMOTING SUSTAINABLE  
FOREST MANAGEMENT  
WWW.ABOUTSFI.ORG

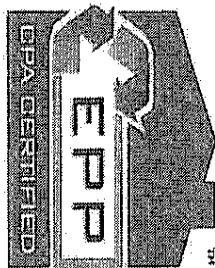
[www.bc.com/particleboard](http://www.bc.com/particleboard)

[TWParticleboardSales@BC.com](mailto:TWParticleboardSales@BC.com)

888-264-7372



# Environmentally Preferable Product Grademark Program CERTIFICATE OF COMPLIANCE



## COMPOSITE PANEL ASSOCIATION

California Approved Third Party Certifier TPC-1

Hereby Affirms That

### **COLLINS PRODUCTS LLC KLAMATH FALLS, OREGON**

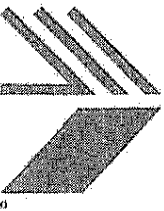
Has Completed And Fulfilled The Requirements Of:  
CPA 3-08 Specification For Environmentally Preferable Products  
California (CARB) Airborne Toxic Control Measure 93120

#### SCOPE OF CERTIFICATION

Industrial Particleboard - IND Production Category (CARB Phase 1)

  
Thomas A. Julif  
President

Effective Date of Certification: July 16, 2008  
To verify continued certification, visit CPA website



www.pbmdf.com

  
Christopher E. Surak  
Director of Certification Services

Mill ID #034 PB