

# SUPER SHELF®

## SUPER SHELF® Span Tables

11-1/4" Width

MAXIMUM LENGTH OF SHELF IN INCHES

(Based on Deflection of 1/180<sup>th</sup> of Span)

TYPICAL END USES	MAXIMUM ESTIMATED LOAD	(A) END SUPPORTED	(B) MULTIPLE SUPPORTS	(C) END AND BACK SUPPORT	(D) SHELF OVERHANG
		Shelf Thickness	Shelf Thickness	Shelf Thickness	Shelf Thickness
*	lb/sq. ft.	3/4"	3/4"	3/4"	3/4"
B-U	50	26	63	52	4.5
B-U	40	28	68	56	4.75
B-U	30	30	75	60	5.25
K-U	20	35	86	70	6.0
K-U-W	15	38	95	76**	6.75
K-U-W	10	44	108	88**	7.75
K-U-W	6	52	128	104**	9.0

\*B = Bookshelves

\*U = Utility

\*K = Kitchen

\*W = Wardrobe

\*\* Lengths over 72" require center support

### SPAN TABLE INSTRUCTIONS

1. Select the Shelving Support System which suits your situation [Use (A), (B), (C) or (D)].
2. Classify the end use on the shelf, i.e., Kitchen, Utility, etc.
3. Determine the span (length) needed.
4. Estimate the maximum load per square foot.
5. To determine the load for shelves wider than 11-1/4", select the load and span and multiply by the following:
  - For 15-1/4" (nominal), multiply the load by 1.36
  - For 23-1/4" (nominal), multiply the load by 2.07





**Boise Cascade**

# SUPER SHELF®

## CARB Phase 1 Certified

### THICKNESS RANGE

3/4" Only

### DESCRIPTION

An engineered composite wood product cut into strips of standard width and custom lengths with one long edge bullnosed and filled.

### 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 <i>Average</i>	IMPERIAL	METRIC
Density	45.0 lb/ft <sup>3</sup>	0.728 g/cm <sup>3</sup>
Modulus of Rupture	2,100 psi	14.48 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 - <i>Face</i>	250 lbs	1,112 N
Screw Holding - <i>Edge</i>	165 lbs	733.9 N
Surface Strength	300 psi	2.068 N/mm <sup>2</sup>
Hardness	900 lbs	4,003 N
Formaldehyde, Emissions	< 0.18 ppm	< 0.18 ppm
Linear Expansion - <i>Maximum</i>	0.35%	0.35%
Water Absorption - <i>Maximum</i>	20.0%	20.0%
Thickness Swell - <i>Maximum</i>	0.035 inches	0.889 mm
Moisture Content	7.0%	6.8%
Sanding	100 grit	

SHIPPING DATA	IMPERIAL	METRIC
Thickness - <i>Nominal</i>	3/4 inch	19.05 mm
Thickness Range ( <i>within panel</i> ) from Panel Average Value	±0.004 inches	±0.1016 mm
Length and Width ( <i>within panel</i> ) from Specified Size	±0.0625 inches	±1.5875 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	1.5875 mm

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



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