

## Coverage Calculations

Siding and paneling are usually sold either by the lineal (*running*) foot or by the board foot.

To simplify cost and coverage estimations, select the appropriate factor from the table at right according to how the material is priced. The factors provided in the table can be used to calculate the amount of siding required either in lineal feet or in board feet.

In either case, the square footage of the area to be covered is calculated first, then multiplied by the appropriate factor.

### Procedure:

- A) Calculate the square footage in walls:  
length x width = sq. ft.
- B) Calculate, and then subtract, the square footage of openings. Now add 10% for trim and waste.
- C) Multiply the result by either the factor for lineal feet **or** the factor for board feet.
- D) Multiply the total footage required by price.

### Additional Information

Additional information and titles referenced in this publication are available for purchase from WWPA.

For a full description of technical publications available and a printable order form, go to the WWPA Internet site at [www.wwpa.org](http://www.wwpa.org).

You also can receive an order form via fax through the WWPA Fax Delivery Service by calling 732-544-2876 and following the instructions.

## COVERAGE ESTIMATOR

Pattern	Nominal Width	Width		Factor for Lineal Feet <sup>1</sup>	Factor for Board Feet <sup>2</sup>
		Dressed	Exposed Face		
Bevel & Bungalow	4	3½	2½	4.8	1.60
	6	5½	4½	2.67	1.33
	8	7¼	6¼	1.92	1.28
	10	9¼	8¼	1.45	1.21
Dolly Varden	4	3½	3	4.0	1.33
	6	5½	5	2.4	1.2
	8	7¼	6¾	1.78	1.19
	10	9¼	8¾	1.37	1.14
Drop, T&G and Channel Rustic	12	11¼	10¾	1.12	1.12
	4	3⅝	3⅝	3.84	1.28
	6	5⅝	5⅝	2.34	1.17
	8	7⅝	6⅝	1.75	1.16
Log Cabin	10	9⅝	8⅝	1.35	1.13
	6	5⅞	4⅞	2.43	2.43
	8	7⅞	6⅞	1.81	2.42
Boards	10	9⅞	8⅞	1.39	2.32
	2	1½			
	4	3½			
	6	5½			
	8	7¼			
	10	9¼			

<sup>1</sup> Lineal Foot Factor is derived by dividing 12" by the exposed face width.

<sup>2</sup> Board Foot Factor is derived by dividing the nominal width by the exposed face width and is based on nominal 1" stock, except log cabin. Log cabin is based on 2" thickness. For nominal 1½" log cabin, multiply by .75.

Note: Factors do not include any allowance for trim or waste and do not apply to diagonal installations. A 10% allowance (for trim and waste) should be added to the square footage required before the factors are used. Refer to *Procedure* at left.

## Checklist for a Siding Material Specification

- Select species suited to the project.
- List grade names, paragraph numbers and rules-writing agency. (Refer to Grade Selector chart on back cover).
- Specify surface texture for exposed face.
- Specify moisture content suited to the project.
- If gradestamped, specify lumber to be stamped on back or ends. (WWPA's *Specifying Lumber* [A-2] offers additional information.)
- Specify VG (vertical grain) if appropriate and available.
- Specify pattern and size (WWPA's *Natural Wood Siding* [TG-8] and *Paneling Basics* [A-3] offer additional information.)

# Western Lumber Grades

GRADE SELECTOR CHART-ALL SPECIES							
General Categories <i>(Note that there are additional grades for bevel pattern.)</i>		GRADES			Grade Rule Paragraph Reference & Specifying		
		WESTERN SPECIES		CEDAR Western & Canadian	WWPA <sup>2</sup>	WCLIB <sup>3</sup>	NLGA <sup>4</sup>
		Selects <sup>1</sup>	Finish				
All Patterns	Premium Grades	B&Better (IWP Supreme)	Superior Prime	<b>Clear Heart</b> <sup>5</sup>	20.11	102-b	200a
		<b>C Select</b> <sup>5</sup> (IWP Choice)		<b>A Grade</b> <sup>5</sup>	10.11	-	-
		<b>D Select</b> <sup>5</sup> (IWP Quality)		B Grade	20.12	102-c	200b
Additional Grades for Bevel Patterns	Premium		Superior Bevel	<b>Clear VG Heart</b> <sup>5</sup> <b>A Bevel</b> <sup>5</sup>	21.11	106-aa	201a
	Knotty		Prime Bevel	B Bevel Rustic C Bevel	21.12	106-a	201b
All Patterns	Knotty Grades	<b>1 Common</b> (IWP Colonial)	Alternate Boards Select Merch. <b>Construction</b>	<b>Cedar</b> <b>Select Knotty</b> <sup>6</sup> <b>Quality Knotty</b> <sup>6</sup>	16.11	-	-
		<b>2 Common</b> (IWP Sterling)			21.13	106-b	201c
		<b>3 Common</b> (IWP Standard)	Standard Utility Economy		-	-	201d
		<b>4 Common</b> (IWP Utility)		21.14	106-c	201e	
		<b>5 Common</b> (IWP Economy)		30.11	-	-	
				30.12	118-a	114a	
				118-b	118-b	114b	
				-	111-e	204a	
				-	111-f	204b	
				30.13	-	-	
				118-c	118-c	114c	
				30.14	118-d	114d	
				30.15	118-e	114e	

**1** Equivalent grades, under the same paragraph numbers in WWPA Rules, are available in Idaho White Pine. Refer to *Western Lumber Grading Rules*.  
**2** Western Wood Products Association's *Western Lumber Grading Rules*.  
**3** West Coast Lumber Inspection Bureau's *West Coast Lumber Standard Grading Rules*.  
**4** National Lumber Grades Authority's *Standard Grading Rules for Canadian Lumber*.  
**5** Some clear grades may be specified VG (vertical grain). Common practice is to ship orders as a combination of vertical and flat grain, unless specified otherwise.  
**6** The widely used marketing term, "STK" usually describes a combination of Select Knotty and Quality Knotty, sometimes marketed with approximately 15% of the order in Quality Knotty.  
**The grade names in bold face type are the most widely available grades.** These are often specified as a grade combination that includes some portion of material in the next higher grade; i.e. C&Btr Select, D&Btr Select, A&Btr Cedar, 2&Btr Common, 3&Btr Common or Std&Btr (Standard & Better).



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