

# COVERAGE AND EXPOSURE TABLES

### Shingle Coverage Table 1

LENGTH AND THICKNESS	Approximate coverage of one square (4 bundles) of shingles based on following weather exposures								
	3 1/2"	4"	4 1/2"	5"	5 1/2"	6"	6 1/2"	7"	7 1/2"
16" x 5/2"	70	80	90	100*					
18" x 5/2 1/4"		72 1/2	81 1/2	90 1/2	100*				
24" x 4/2"					73 1/2	80	86 1/2	93	100*

NOTE: \* Maximum exposure recommended for roofs.

### Shingle Exposure Table 2

SLOPE	Maximum exposure recommended for roofs								
	LENGTH								
	Number 1 Blue Label			Number 2 Red Label			Number 3 Black Label		
	16"	18"	24"	16"	18"	24"	16"	18"	24"
3:12 to 4:12	3 3/4"	4 1/4"	5 3/4"	3 1/2"	4"	5 1/2"	3"	3 1/2"	5"
4:12 and steeper	5"	5 1/2"	7 1/2"	4"	4 1/2"	6 1/2"	3 1/2"	4"	5 1/2"

### Shake Coverage Table 3 see footnote (f) below

SHAKE TYPE, LENGTH AND THICKNESS	Approximate coverage (in sq. ft.) of one square, when shakes are applied with an average 1/2" spacing, at following weather exposures, in inches (d):				
	5	5 1/2	7 1/2	8 1/2	10
18" x 1/2" Handsplit-and-Resawn Mediums (a)*	–	75(b,f)	100(f,c)	–	–
18" x 3/4" Handsplit-and-Resawn Heavies (a)*	–	75(b,f)	100(f,c)	–	–
18" x 5/8" Tapersawn*	–	Approx. 75(b)	100(f,c)	–	–
24" x 3/8" Handsplit	–	–	75(e)	–	–
24" x 1/2" Handsplit-and-Resawn Mediums	–	–	75(b)	85	100(c)
24" x 3/4" Handsplit-and-Resawn Heavies	–	–	75(b)	85	100(c)
24" x 5/8" Tapersawn	–	–	75(b)	85	100(c)
24" x 1/2" Tapersplit	–	–	75(b)	85	100(c)
18" x 3/8" Straight-Split	–	65(b)	90(c)	–	–
24" x 3/8" Straight-Split	–	–	75(b)	85	100(c)
15" Starter-Finish course	Use supplementary with shakes applied not over 10" weather exposure.				

(a) 5 bundles will cover 100 sq. ft. roof area when used as starter-finish course at 10" weather exposure; 7 bundles will cover 100 sq. ft. roof area at 7 1/2" weather exposure; see footnote (f)  
 (b) Maximum recommended weather exposure for 3-ply roof construction.  
 (c) Maximum recommended weather exposure for 2-ply roof construction.  
 (d) All coverage based on an average 1/2" spacing between shakes.  
 (e) Maximum recommended weather exposure.  
 \*100 sq. ft. coverage is based on 12/12 pack, 5 bundle square, at 7 1/2" exposure.

(f) Note: While most shakes are packed in bundles of 12 courses each side (12/12) they may be packed 9/9. This will alter the number of bundles required to cover 1 square.  
 For example: 18 shake bundles 12/12 should cover 100 square feet at 7 1/2" exposure. 9/9 pack should give 75% coverage of a square. Check with your supplier to confirm specific packaging (bundle size) used for your order.

### Shake Exposure Table 4

SLOPE	Maximum exposure recommended for roofs	
	LENGTH	
	18"	24"
4:12 and steeper	7 1/2"	10" (a)

(a) 24" x 3/8" handsplit shakes limited to 7 1/2" maximum weather exposure per UBC and IBC.

Formula for calculating material at reduced exposures:  
 Square footage divided by reduced coverage = total material required e.g. you are estimating a roof that measures 3200 square feet (32 squares). You have decided to put 16" Certigrade shingles (No.1 Blue Label or No.2 Red Label) at 4" exposure.  
 The above coverage table (Table 1) tells you that a 4-bundle square at 4" exposure covers 80 square feet.  
 3200 divided by 80 = 40 squares of material