

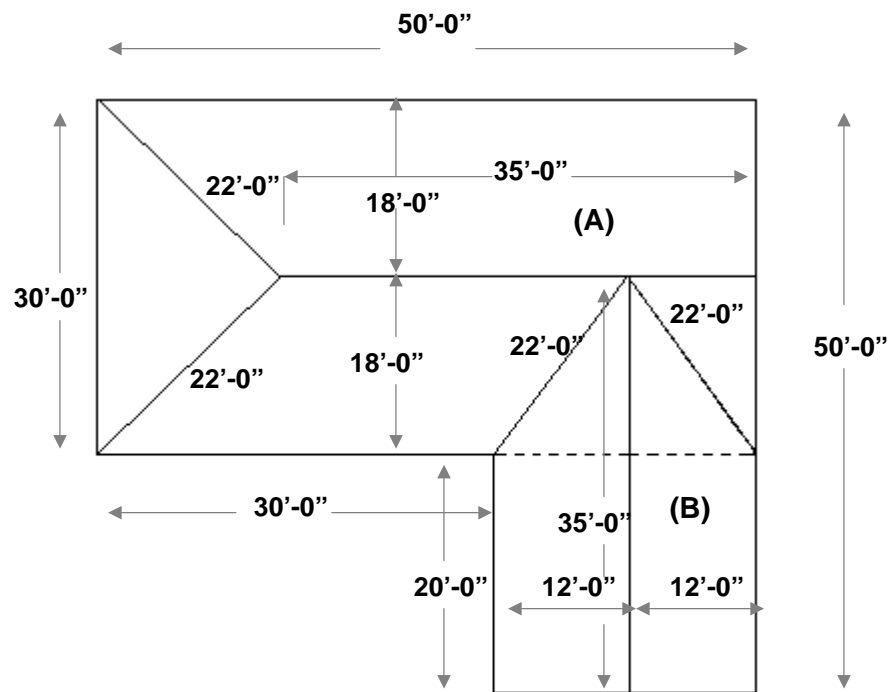


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Tel: (800) 959-8089 or (604) 587-3588 Fax: (604) 953-1005
www.futureroof.com

Estimating Futurelok Shake



Step #1 Divide the Roof- Divide the above roof plan into two parts (A) and (B). The coverage dimensions for **Futurelok Shake** are 47" (3.9 feet) wide by 12.75" (1.1 feet) high.

Step #2 Calculate Part A- In Part (A) the length of the fascia is 50 feet. To determine how many shake panels that will be needed horizontally, divide 3.9 feet into 50 feet = 12.8 or 13 panels. The rafter measurement is 18 feet. To determine the number of shake panels needed vertically to the ridge, divide 18 feet by 1.1 feet = 16.36 feet or 17 panels to the ridge. The number of panels needed to cover Part (A) would be 13 panels x 17 panels = 221 x 2 (because the rafter length is the same on both sides of the roof) = **442 Futurelok Shake** panels for part (A).

Step #3 Calculate Part B- In Part (B) the length of the fascia is 20 feet. As explained in Part (A) divide 3.9 into 20 feet = 5.13 or 6 panels. The rafter measurement is 12 feet. Divide this by 1.1 feet = 10.9 or 11 courses to the ridge. The total number of panels needed in Part (B) is 6 x 11 x 2 (rafter length the same on the other side) = **132 Futurelok Shake** panels for Part (B).



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Note: If the panels needed to cover the length of the fascia are less than half a panel, you can round up to the nearest half panel, as the other half panel can be used on another course. The vertical rafter panel measurement should always be rounded up to the nearest full panel as the panel will be cut horizontally and best fit the ridge.

Step #4 Calculate Waste- To calculate waste, multiply the linear feet of the hips and valleys by .3. For example, the linear feet of the hips are 44 feet and the linear feet of the valleys are 44 feet = 88 feet. To determine the waste, multiply 88 feet by .3 = 26.4 or 27 panels waste.

Conclusion: The total number of **Futurelok Shake** panels needed for the roof diagram on page #1 will be Part (A) plus Part (B) plus Waste or 442 panels + 132 panels +27 panels = 601 divided by 24 pieces per square = 25 squares.

Calculating the trims and accessories:

Hip and Ridge Cap coverage is 14.5" each. Add the hip and ridge = 114 feet ÷ 1.2 (14.5)" = 95 pieces add 10% = 105 pieces of hip and ridge cap.

Note: All the accessories come in 10 ft. lengths:

Valley = 44 feet or 5 pieces valley (accounting for overlaps).

Rake or Gable = 60 feet or 7 pieces of rake or gable (accounting for overlaps),

Starter = 150 feet fascia or 16 pieces of starter (accounting for overlaps).

Quick Formula:

The following formula can be used for quickly quoting the approximate number of squares. Again, using the roof example on page #1.

Step #1- Determine the actual square footage without waste. Part (A)= 1800 s/f.

+ Part (B)- 480 s/f. = 2280 s/f.

Step #2- Determine the linear feet of hips and valleys = 88 feet.

Step #3- Add Step #1 and Step #2- 2280 s/f + 88 feet = 2368 s/f.

Step #4- Multiply the total by 1.05 or 2368 s/f x 1.05 = 2486 s/f or 24.86sqs.