

## The Process:

1. Specify Shake or Shingle
2. Define Product Type
3. Choose Species
4. Specify Pressure-Impregnation Treatment or Untreated Status
5. Specify Grade
6. Select Length and Thickness
7. Confirm Exposure
8. Calculate Coverage
9. Prepare Purchase Order



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Forestry Innovation  
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# CEDAR SHAKE AND SHINGLE PRODUCT SPECIFICATION GUIDE

**A step by step guide demonstrating how  
to specify quality product at the jobsite**

## 1. Specify Shake or Shingle



## 2. Define Product Type



### Certi-Split® Handsplit and Resawn Shake:

- Split face exposed with a naturally rustic appearance, sawn on back
- Most common are 18" & 24" lengths
- Butt thickness ranges from 3/8" to 1" plus



### Certigrade® Shingle:

- Sawn on both sides for a tailored appearance
- In 16" Fivex, 18" Perfection or 24" Royal lengths
- Butt thickness is gauged using a stack of shingles to meet the proper measurement

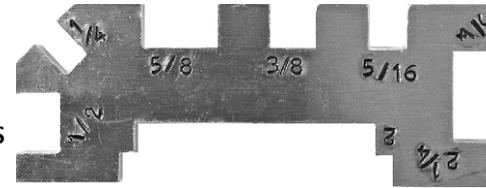


### Certi-Sawn® Tapersawn Shake:

- Sawn on both sides for a semi-textured look with a stronger shadowline than a shingle
- Most common are 18" and 24" lengths
- Butt thickness ranges from 5/8" to 7/8" plus

## Shingle grading is different from shake grading

All shingles are graded from the best face. They are measured for their thickness at the butt-ends and designated according to the number of pieces necessary to constitute a specific unit of thickness. Shakes are graded individually at the butt ends (there are many more grading measurements, however this is the one that distinguishes shakes from shingles). Consult the CSSB and Building Code for applicable building codes in your area.



*This is an inspection gauge used to measure butt thickness of shake and shingle product (not to scale).*

## R&R's are not roofing products

Rebutted and Rejointed ("R&R") products are intended for sidewall installation, not for roof installation.

## 3. Choose Species

Specify either Western Red Cedar or Alaskan Yellow Cedar products. Typically Alaskan Yellow Cedar weathers a lighter/silver gray patina, however it is weather and environment dependent.

## 4. Specify Pressure-Impregnation Treatment or Untreated Status

There are two types of pressure-impregnated treated products available: Fire retardant treated (Certi-Guard®) and Preservative treated (Certi-Last®). Untreated products are also available. Consult your local building code official for guidance, if needed.

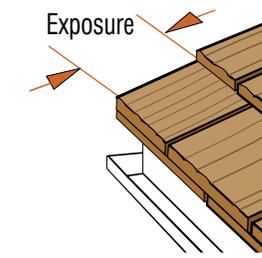
## 5. Specify Grade

The top grade for shakes is Premium Grade. The top grade for shingles is Number One Grade. Top grades are 100% edge grain with no flat grain allowed.

## 6. Select Length and Thickness

Shakes and shingles come in a variety of lengths and thicknesses. Be sure to specify the correct one for your project.

## 7. Confirm Exposure



Exposure is the amount of installed product left uncovered to the weather in each course (row). Overexposing product results in loss of roof integrity and violates building code. Reduced exposure, either for aesthetics or longer life span, is a popular choice, however, ensure to calculate in the extra product needed to achieve this design.

## 8. Calculate Coverage

Here is a simple formula for calculating the amount of product needed to cover a certain area of your roof or sidewall:

First: **maximum exposure divided by desired exposure = resulting factor.**

Second: **resulting factor multiplied by the number of squares to be covered = number of squares needed.**

(A square covers 100 square feet of roof or sidewall area). Round up to the next whole number.

EXAMPLE: 24" x 1/2" Certi-Split® handsplit and resawn shakes to cover 72 Squares with 24" shakes exposed at 7 1/2" to the weather:

$10" \div 7.5" = 1.3333$  (Factor)

$1.3333 \times 72 \text{ Squares} = 95.9 \text{ Squares}$ , round-up to 96 Squares

Note that this formula does not account for reduced or staggered exposures, wastage, off-parallel allowable tolerances, trimming and/or applicator experience or unusual bundle size. Ensure you calculate underlayment correctly accounting for felt roll headlap.

**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 needed to cover 1 square; 9/9 pack should give 75% coverage of a square.

## 9. Prepare Purchase Order

Be as detailed as you can on your purchase order. If the wrong product is delivered to the jobsite, then it's wise to have documentation supporting your request for correct product delivery.