

## Eastern White Cedar Shingles

# Specifications and Installation



At SBC, we firmly believe in the importance of customer satisfaction. And one way of ensuring it is to help you choose and install the shingles that best meet your needs so that you may fully enjoy SBC shingles and the natural beauty of wood!



# SBC

**Cedar Shingle Manufacturer**  
www.sbccedar.com

**When Only the Best Will Do.  
Specify SBC!**

## Installation Guide

Installed properly, our shingles can last up to 50 years. The following are a few recommendations to help ensure their lasting beauty.

**Exposure:** To prevent buckling, use a 5" (12.7 cm) maximum exposure.

**Fasteners:** Rust-resistant (galvanized, aluminum or stainless) nails or staples, 1 1/4" to 1 1/2" (3.2 to 3.8 cm) long. Fasteners must penetrate at least 1/2" (1.3 cm) into the underlayment. For staples, use 7/16" (1.1 cm) minimum crown.

### Ventilation

It is important to ensure adequate circulation of air underneath shingles in order to enhance their durability, reduce moisture, and save energy:

- Install horizontal wooden laths (1" x 3" or 1" x 4" (2.5 x 7.5 cm or 2.5 x 10.2 cm)), setting them apart by a distance equal to the exposure (centre to centre). Nail shingles directly to them. You may wish to consider using Home Slicker™ (on walls) or Cedar Breathe™ (on roofs).

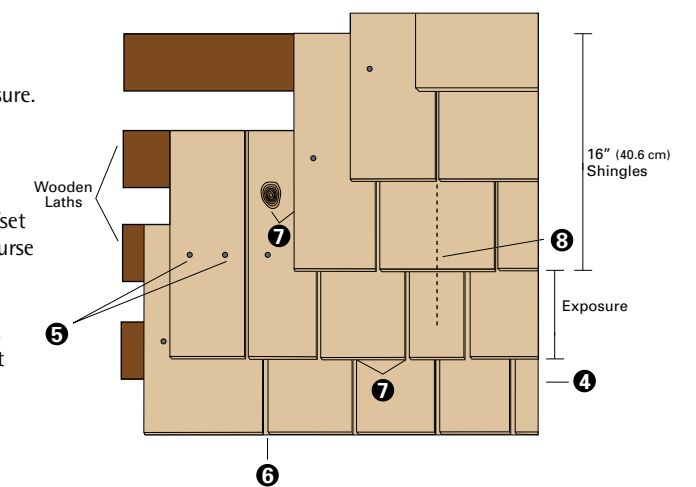
### General Installation Instructions

- 1 Always work from the bottom to the top.
- 2 To calculate the number of courses to be installed:
  - Measure the surface area to be covered and divide it by the desired exposure.
  - Adjust the exposure to produce even courses.
  - Leave at least 4" (10.2 cm) for the last course at the top.
- 3 Draw a line or use a board to align shingles horizontally.
- 4 For the first row (wall, roof), always lay a double course of shingles and offset them by at least 1 1/2" (3.8 cm) so that joints do not line up. The bottom course should extend at least 1" (2.5 cm) from the top of the foundation or eaves.
- 5 Use 2 fasteners per shingle at about 3/4" (1.9 cm) from each edge, and at 1" (2.5 cm) above the butt-line of the overlapping shingle. If shingles are wider than 8" (20.3 cm), use 2 additional fasteners driven 1" (2.5 cm) apart near the center of the shingles.
- 6 Leave a gap of approximately 1/8" to 1/4" (0.3 to 0.6 cm) between neighboring shingles to allow for expansion due to moisture.
- 7 Joints of successive courses must always be offset by at least 1 1/2" (3.8 cm) to prevent water build-up. Treat shingle imperfections the same way.
- 8 Never allow joints from any 3 consecutive courses to line up.

### Calculating the Quantity Required

Area Covered by 1 Square (4 bundles)

Common Exposures	Area Covered
4" (10.2 cm)	80 sq. ft. (7.4 m <sup>2</sup> )
5" (12.7 cm)	100 sq. ft. (9.3 m <sup>2</sup> ) <b>standard</b>
6" (15.2 cm)	120 sq. ft. (11.2 m <sup>2</sup> )



### Angles, Corners, Openings, Edges

Flashing, which comes in various materials, sizes and shapes, is required for all of the above features. It is important to ensure that local building codes are respected. Depending on the risks of seepage, flashing generally extends approximately 4" to 8" (10.2 to 20.3 cm) on either side. In addition to concealing structural cutting imperfections that may occur, appropriate, properly installed flashing is instrumental in preventing rotting, water and insect infiltration. When installing flashing, care must be taken to not drive nails near the center, especially in the case of roofs. It is also recommended that joints in infiltration-prone areas be caulked with silicone.

### Wall Corners – two possible methods

- Use shingles, by alternating the courses on both walls (weave corners), or
- Use boards that completely cover up the corner.

### Existing Construction – two possible methods

- Remove existing siding or roofing material and proceed in the same way you would with a new construction, or
- Install shingles directly on top of the original covering and ensure that nails can be solidly driven into the surface below.

### Hips and Ridges – two possible methods

- Choose same-width shingles, specifically, 4" to 5" (10.2 to 12.7 cm). Alternately overlap all shingles on both sides. The first row must be a double course. Using two nails (approx. 2" (5.1 cm) long), install hip and ridge caps; or
- Use prefabricated hip and ridge units. Their mitered joints and concealed nails can save considerably on installation time.

This guide provides only general guidelines for choosing and installing the right cedar shingle. Although its content is accurate, it does not cover all situations. Moreover, since building codes tend to differ from one area to the next, it is always best to consult an expert prior to proceeding. This being the case, SBC shall not be held liable for any damage or prejudice resulting from the use of its products or of any information found in this guide.



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754, 8<sup>e</sup> Rue, Saint-Prospér  
(Québec) G0M 1Y0 Canada  
Telephone: (418) 594-6201  
Fax: (418) 594-8334  
www.sbccedar.com  
info@sbccedar.com

### Characteristics

Renowned for the quality of our products, we manufacture natural, KD (kiln-dried) and factory-stained shingles in our own facilities. With its numerous properties (e.g. decay resistance, high insulation, lightness, etc.), white cedar (*thuya occidentalis*) is the ideal choice for roofing or exterior siding. Its natural oils protect against mold, moisture and insects, thereby ensuring a longer life. Cedar shingles age beautifully, even when left untreated. They enhance the beauty of a home while blending perfectly with other natural materials such as stone and brick.

### Specifications - General

Length:	Approx. 15 1/2" to 16" (39.4 to 40.6 cm)
Width:	Approx. 3 1/4" to 11" (8.3 to 27.9 cm)
Butt thickness:	3/8" (1 cm)
Bundling:	Area covered per bundle (box): 25 sq. ft. (2.32 m <sup>2</sup> ) with a 5" (12.7 cm) exposure
Bundles (boxes) per square:	4

### Specifications - Grade

Eastern White Cedar Shingles are available in four grades, each having its own distinctive features and applications:

GRADE	CHARACTERISTICS	USES
Extra "A" (blue label)	Top grade No imperfections	Roofing and siding
Clear "B" (red label)	Select grade No imperfections on exposed surface (up to 6" (15.2 cm))	Siding
2 <sup>nd</sup> Clear "C" (black label)	Economy grade Some sound knots on exposed surface	Siding (rustic appearance)
Utility "D" (green label)	Lowest grade Various imperfections	Multipurpose: undercourse, shims (10/10, shims 42 pieces, ...)



### Choice of Shingles

#### Resquared and Rebutted (R&R) Shingles

Our Extra "A" and Clear "B" grade (also available in 2nd Clear "C") shingles are R&R. They are distinguished by their perfectly straight butt, perpendicularly square with the shingles' two fully parallel sides. As a result, SBC R&R shingles ensure enhanced beauty and substantial savings in installation time and costs.

#### Kiln-Dried (KD) Shingles

Our dehumidification kiln enables us to manufacture shingles (grades A, B and C) having superior stability. When selected for the kiln, the shingles are prepared to ensure uniform dryness (approx. 12% humidity) and to prevent cracking. A 30 years warranty against wood decay is available on our KD and pre-stained shingles. For optimal protection, all of our KD shingles are boxed.

#### Weathering Stained Shingles

SBC uses PPG/Olympic's Weathering Stain in order to offer silvery gray ready-to-install shingles. In fact, this product accelerates the wood's natural weathering process while ensuring an attractive, uniform, low-maintenance finish. Our KD shingles are individually dipped in the stain for maximum protection. The stain's unique water-repellent formula provides improved wood stability and resistance to cracking, blistering and peeling.

#### Factory-Stained Shingles

To complete our product line, we also offer shingles that have been factory-stained with Olympic Machinecoat™, a 100% acrylic coating. Available in an unlimited range of solid or semi-transparent colors, these shingles are suitable for virtually all climates. Our factory-coating technology ensures full coverage of all surfaces of the shingle, producing an attractive, even finish, and minimizing shrinking and cupping. In collaboration with PPG/Olympic®, we offer a long-term warranty program against cracking, flaking and peeling: 10 years, for 1 coat; and 25 years for 2 coats. Our factory-stained shingles offer the best of both worlds: the natural beauty of real wood and the durability of a pre-stained product.



#### Stock Colors



#### Special-Cut Shingles

Would you like to add a distinctive touch to your project? You'll find that our special-cut shingles, either kiln-dried (natural) or factory-stained, are ideal. With a standard width of 4 13/16" (12.2 cm), these shingles are available in many architectural shapes:

