



# SHINGLES & SHAKES



## Certi-label™ Western Red Cedar Shingles & Shakes





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Silva Timber is one of the leading importers of Certi-label™ Western Red Cedar shingles and shakes with possibly the widest range in the UK.

Silva has many years of experience and has supplied shingles and shakes for a diverse range of applications. We work closely with some of British Columbia's most respected mills and only buy from Cedar Shake & Shingle Bureau members to ensure product quality and consistency.

Silva offers three types and three grades of shingles; taper sawn and hand split shakes along with pre-formed ridge units; pressure treated roofing battens and stainless steel shingle nails.

### Why Use Certi-label™ Western Red Cedar Shingles & Shakes?

Western Red Cedar is scientifically classified as a 'durable' species in the UK and because of this durability it is widely favoured by architects and engineers seeking an aesthetically pleasing, light weight alternative to traditional roof and wall tiles.

For over a century Western Red Cedar shingles and shakes have proven to be a superior material for roof and wall cladding, providing durability, warmth and resistance to extremes of wind and weather.

#### Durability

- Natural oils act as preservatives against decay and insect attack

#### Resilience against high winds

- Installation method provides outstanding rigidity
- 'Uplift tested' to withstand wind speeds of up to 173mph

#### Renewable resource

- The only renewable roofing resource
- Other roofing produced by permanently extracting natural resources
- World recognised forest stewardship ensures true sustainability

#### Breathable

- Cedar shingles and shakes breathe providing an extra degree of ventilation

#### Low carbon footprint

- Shingles and shakes use the lowest energy of any roofing product
- Production emits the lowest pollution of any roofing product

#### Highest insulation resistance value

- Cedar shingles and shakes have a superior insulating value to other roofing products
- Buildings stay warmer in winter and cooler in summer
- 'R-value' double that of asphalt, four times that of cement fibre

[www.silvatimber.co.uk](http://www.silvatimber.co.uk)  
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## Grades

### Certi-label™ Products

Cedar Shingles and Shakes, manufactured by members of the Cedar Shake & Shingle Bureau, are the only products labelled with the "Certi" brand name. As part of the Certi-Wood™ family, Certi-label™ cedar shingles and shakes are manufactured by experienced craftsmen who take pride in their trade and the quality of their product. Member mills are bound together by a rigid quality code and independent inspections ensure that product quality is maintained.

### Certi-grade™ Western Red Cedar Shingles

Shingles are sawn on both sides, have a relatively smooth face and back, and are available in lengths of 405, 455 and 610mm. Shingles are thinner at the butt than shakes.

#### No. 1 Blue Label

The premium grade of shingles for roofs and wall cladding. These top-grade shingles are 100% heartwood, 100% clear and 100% edge grain; no defects.

#### No. 2 Red label

A good grade for many applications. Not less than 254mm clear on 405mm shingles, 280mm clear on 455mm shingles and 405mm clear on 610mm shingles. Flat grain and limited sapwood are permitted in this grade.

#### No. 3 Black Label

A utility grade for economy applications and secondary buildings. Not less than 150mm clear on 405mm and 455mm shingles, 254mm clear on 610mm shingles.

### Certi-split™ and Certi-sawn™ Western Red Cedar Shakes

Hand split shakes are produced by splitting cedar blocks with a hydraulically powered split knife into straight boards, or blanks. The blanks are then sawn from corner to corner, producing two tapered shakes, each with a natural split face and a sawn back.

Taper sawn shakes have the appearance of a smooth faced shingle, but the extra thickness of a shake. As their name suggests they are produced by sawing both faces to achieve a taper.

Both hand split and taper sawn shakes are available in 610mm lengths.

#### Premium Grade

The premium grade of shakes for roofs and wall cladding. These top-grade shakes are 100% heartwood, 100% clear and 100% edge grain; no defects.

Detailed grade descriptions can be found on our website: [www.silvatimber.co.uk](http://www.silvatimber.co.uk)

## Sustainability

Western Red Cedar and other species in British Columbia's forests are harvested under a sustained yield policy which guarantees forest regeneration and biological diversity. Shingle and shake production, which is virtually pollution free, is a secondary operation utilising waste residuals from British Columbia's main logging and sawmilling industry.

## Specifications

Certi-label™ Western Red Cedar shingles and shakes are sold in bundles; four bundles of shingles or five bundles of shakes = 1 square (100sq. ft./9.3m²)

Three sizes of shingle are available; they are known as Fivex, Perfection and Royal. Two types of shakes are available: Hand split and Taper sawn.

	Type	Length	Butt Thickness	Width
Shingles	Fivex	405mm	10mm	Random (100 to 355mm)
	Perfection	455mm	11mm	Random (100 to 355mm)
	Royal	610mm	12.5mm	Random (100 to 355mm)
Shakes	Hand split 'Heavies'	610mm	19mm	Random (100 to 355mm)
	Taper sawn 'Mediums'	610mm	13mm	Random (100 to 355mm)

Certi-label™ Western Red Cedar shingles and shakes are supplied in their natural state. However, they may also be supplied pressure impregnated with a preservative treatment or a fire retardant treatment upon request.

Certi-Ridge® Shingle and Shake Hip and Ridge Units are pre-manufactured caps for roof hips and ridges. These products are made from Number 1 Grade Blue Label cedar shingles or Premium Grade shakes for a perfect match.

Lengths: Shingles: 405 and 455mm/Shakes: 610mm

Widths: Shingles and Shakes: 175mm minimum (measured over the top at the butt end)

Packaging: Shingles: 40 units per bundle for 405mm; 36 units per bundle for 455mm/Shakes: 20 units per bundle

Maximum coverage: Shingles and Shakes: 4.88m per bundle

## Installation Information

### Shingle Coverage (Table 1)

LENGTH AND THICKNESS	Approximate coverage in square metres of one square (4 bundles) of shingles based on the following weather exposures								
	90 mm	100 mm	115 mm	125 mm	140 mm	150 mm	165 mm	180 mm	190 mm
Fivex 405 x 10mm	6.7	7.4	8.5	9.3*	-	-	-	-	-
Perfection 455 x 11mm	-	6.7	7.6	8.3	9.3*	-	-	-	-
Royal 610 x 12.5mm	-	-	-	-	6.9	7.3	8.1	8.8	9.3*

NOTE: \* Maximum exposure recommended to roofs.

### Shingle Exposure (Table 2)

PITCH	Maximum exposure in millimetres recommended for roofs and walls Length (mm)								
	No. 1 Blue Label			No. 2 Red Label			No. 3 Black Label		
	Fivex 405mm	Perfection 455mm	Royal 610mm	Fivex 405mm	Perfection 455mm	Royal 610mm	Fivex 405mm	Perfection 455mm	Royal 610mm
14° - 19°	95	108	146	90	100	140	75	90	125
19° and steeper	125	140	190	100	115	165	90	100	140
Walls (single course)	175	200	265	150	180	230	-	-	-
Walls (double course)	300	350	400	225	250	350	-	-	-

### Shake Coverage (Table 3)

SHAKE TYPE, LENGTH AND THICKNESS	Approximate coverage in square metres of one square (5 bundles), when shakes are applied with 13mm spacing, based on the following weather exposures				
	125mm	140mm	190mm	215mm	255mm
Hand split 'Heavy' 610 x 19mm	-	-	6.9	7.8	9.3*
Taper sawn 'Medium' 610 x 13mm	-	-	6.9	7.8	9.3*

NOTE: \* Maximum exposure recommended to roofs.

### Shake Exposure (Table 4)

PITCH	Maximum exposure in millimetres recommended for roofs and walls Length (mm)	
	Premium Grade	
	Hand split 'Heavy' 610mm	Taper sawn 'Medium' 610 x 13mm
19° and steeper	255	255
Walls (single course)	265	265
Walls (double course)	455	455

### Battens

Shingles: apply over treated softwood battens of 25 x 38mm minimum dimension.

Shakes: apply over treated softwood battens of 25 x 90mm minimum dimension.

### Shingles and Shakes

Space battens to coincide with the weather exposure (tables 2 and 4) of the shingles or shakes.

Spacing between adjacent shingles (joints) should be a minimum of 6mm and a maximum of 9mm.

Spacing between adjacent shakes (joints) should be a minimum of 9mm and a maximum of 16mm.

For both shingles and shakes, joints in any one course should be separated not less than 38mm from joints in adjacent courses; and in any three courses, no two joints should be in direct alignment.

### Nails

Stainless steel annular ring shank nails are recommended for installing shingles and shakes. Use 1.8 x 31mm for shingles and 2.65 x 50mm for shakes. Apply two nails only per shingle or shake, 38-50mm above the exposure line and 19-25mm in from the edges.

### Finish Coatings

Western Red Cedar shingles and shakes may be left uncoated and will age naturally. Alternatively a suitable finish coating may be applied. It is recommended that the finish be applied to all surfaces prior to installation.

Please note that this information is intended as a basic guide only. A detailed 'Installation Manual' can be downloaded in pdf format from the technical area on our website. Visit [www.silvatimber.co.uk](http://www.silvatimber.co.uk) for online ordering, case studies, technical library and much more.



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