



Siberian Larch Cladding





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Silva Timber's Siberian Larch cladding is equally popular with self-builders, architects and construction companies due to its aesthetic beauty, durability and longevity. Our premium quality A/B grade Siberian Larch has been specified for a wide range of residential and commercial applications including self-build projects, schools, and sports facilities.

Silva Timber's Siberian Larch cladding is:

- Available with FSC certification
- Uniformly kiln-dried to ensure optimum stability
- Available in long 4.0m lengths
- Shrink wrapped in packs of six boards for protection
- Quality controlled by the Federation of European Planing Mills (VEH) to a consistent grading standard

Why Use Siberian Larch Cladding?

Siberian Larch is a sustainable old-growth timber that has been used in construction for centuries. Its popularity lies in the fact that it is aesthetically beautiful, naturally durable and long lasting. The remarkable qualities and unique performance characteristics of Siberian Larch have led it to being referred to as 'the tree of eternity'. It is used extensively throughout Europe and has proved itself in the harshest of climates. The following characteristics make it the ideal choice for various cladding applications:

Natural resistance to decay

- Resins and extractives in larch create a high resistance to decay and rot

Harsh growing climate

- Grown in 'extreme continental' climate - short hot summers and long cold winters
- High proportion of latewood produces tight grain that increases the durability of wood

Hard wood

- Siberian Larch has a hardness of 1,100 lbs/in² as measured by the Janka Scale - fewer dents and abrasions mean reduced penetration by water and fungi

High density

- More difficult for decaying organisms to penetrate the wood

Large content of heartwood

- Larch trees are composed of 75-90% heartwood in their natural existence - denser, less permeable and more durable than sapwood
- Maximum durability, consistent quality and uniform colour guaranteed

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Grade



Kiln dried 'A/B' grade

Kiln dried 'A/B' grade Siberian Larch cladding features sound tight (intergrown) knots that will not fall out over time.

Knots are small and well interspaced to give a clean, consistent appearance. Most cladding profiles are machined with stress relief grooves on the reverse to increase stability. Our Siberian Larch cladding is quality controlled by the Federation of European Planing Mills (VEH) to a consistent grading standard.



Sustainability

Siberian Larch is one of the few old growth woods that are being harvested from a sustainable forest. The natural growth rate of Siberian Larch is five times more than the rate at which it is being harvested. Larch species actually account for 38% of the timber in the 2.7 billion acres of forest in Russia. This is significantly larger than the Amazon Forest which is only 800 million acres in size. Since Siberian Larch is highly sustainable, this offers the foundation for a dependable supply. Since September 2002 our supplier has been certified according to the criteria of the Forest Stewardship Council (FSC) and their plant was the first operation in the European part of Russia to be FSC certified.



Tongue & Groove V-Joint Cladding



Sizes available: 19 x 116mm & 19 x 146mm

- produces subtle shadow line effects
- install horizontally, vertically or diagonally
- select horizontal cladding to accentuate length and vertical cladding to accentuate height
- smooth planed face

Tongue & Groove Channel Cladding



Sizes available: 19 x 116 & 19 x 146mm

- produces bold shadow lines
- install horizontally or vertically
- select horizontal cladding to accentuate length and vertical cladding to accentuate height
- smooth planed face
- suits both contemporary and traditional applications

Shiplap Cladding



Size available: 19 x 146mm

- profile of each board partially overlaps adjacent board providing excellent weather protection and dimensional movement
- install horizontally
- smooth planed face

Rebated Bevel Cladding



Size available: 22 x 146mm

- install horizontally to create a well defined shadow line
- produced by resawing boards at an angle to produce two pieces thicker on one edge than the other
- fine sawn face

Trim Profiles



19 x 96mm
19 x 116mm
19 x 146mm

Installation Information

Cladding Coverage (Table 1)

Profile Type	Actual finished width (mm)		Factor for lineal metres per m ²
	Actual dressed	Exposed face	
Tongue & Groove V-Joint	146	137	7.3
Tongue & Groove V-Joint	116	106	9.4
Tongue & Groove Channel	146	137	7.3
Tongue & Groove Channel	116	106	9.4
Shiplap	146	137	7.3
Rebated Bevel	146	128	7.8

Battens

Siberian Larch performs best when installed properly on a suitable frame. Siberian Larch cladding should be securely nailed to battens, framing members, or to blocking between framing members. See table 2 for recommended batten sizes and spacing for different methods of installation.

Timber Size & Spacing for Blocking and Furring¹ (Table 2)

	Actual Size (mm)	Preferred Spacing (mm)	Maximum Spacing (mm)
Blocking	38 x 38	400	600
Battens over plywood/OSB sheathing ²	19 x 38	400	600
Furring over masonry walls	38 x 38	400	600

1. Battens must be securely fastened to studs.

2. Can be used in moist and severe climates to form an air space between cladding and sheathing

Cladding

Siberian Larch cladding up to 150mm should be fixed with one nail per bearer. Tongue and groove profiles can be blind nailed; all other profiles should be face nailed.

Fasteners

For best results use stainless steel annular ring shank nails. These have thin shanks and blunt points to reduce splitting. Pre-drilling may be necessary due to the density of the wood.

Finish Coatings

It is recommended that the finish is applied to all surfaces, including ends, before installation. The type of coating will be determined by final finish and look selected. The finish protects the wood from moisture absorption and UV degradation. It helps prevent staining caused by mildew and extractives and will increase the service life of the timber.

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 for online ordering, case studies, technical library and much more.



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