

# SUPREME

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## WOOD PRODUCTS

## SIBERIAN LARCH

SUPREME WOOD PRODUCTS sources only old growth and slow grown logs from certain regions in central Siberia.

This golden brown timber with clearly marked annual growth rings and straight grain grows in cold and harsh climate which gives Siberian Larch many fantastic natural attributes

Siberian Larch's excellent durability, high density and wonderful versatility makes it desirable in many building projects.

### VERSATILITY

Siberian Larch is a hard tough timber with density at 590kg to 700kg per m<sup>3</sup> when dried. It is hard wearing and perfect for exposed elevations or high traffic areas. Suitable for both commercial and residential projects, from decking to facades of houses, decor of interiors and flooring.

### DURABILITY

Siberian Larch has a maintenance free service life. The presence of resin in the wood creates a high resistance to decay and rot. The high density means that it is more difficult for decaying organisms to penetrate the wood. It makes it one of the toughest and most durable softwoods.

### GRADES

#### UNSORTED (A MIX OF GRADE 1-3)

This grade of Siberian Larch is the higher quality available in the market. This is a clear grade timber allowing occasional small knots up to 30mm and providing an aesthetically pleasing and consistent look. Excellent durability.

#### CLEAR (THE HIGHEST GRADE)

This grade includes the best looking boards with minimal amounts of tiny knots. It gives a the best uniform look.



SUPREME WOOD PRODUCTS

Contact: Jonathan Towers | Phone: 021 109 8193 | Email: [jonathan@siberianlarchwood.co.nz](mailto:jonathan@siberianlarchwood.co.nz)

***Siberian Larch can live 900 years.  
Venice is still standing today after hundreds of years sitting on top of  
this incredible timber.***

Our manufacturer uses a facility near Krasnoyarsk and Irkutsk regions in Siberia in Russia as close to quality raw material supply as possible. We provide rough sawn or finished timbers with a wide range of profiles and sizes, including custom made products.

	<b>Height (mm)</b>	<b>Width (mm)</b>	<b>Length (mm)</b>
Rough Sawn	32 / 50	150 / 200	3000 / 4000 / 5100 / 6000
Weatherboard	28	140 / 185	3000 / 4000 / 5100 / 6000
Decking	27	90 / 140	3000 / 4000 / 5100 / 6000
Flooring	27	140	3000 / 4000 / 5100 / 6000

**For rough sawn products, it starts at \$1,320 per m<sup>3</sup>  
e.g. \$6.32 per linear meter for 150mm x 32mm (plus GST)**

**For wetherboard, decking & flooring  
It starts at \$7.59 per linear meter (plus GST)  
Just add the freight to your site**

**For order of one 40ft container or 39m<sup>3</sup>  
The prices is inclusive of shipping to any port of New Zealand.  
Plus GST**



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# GRADING

The logs are bought directly in Russia and then get sawn into edged timbers. They are sorted into five distinct quality divisions according to grading standard Russia GOST 26002-83.

The best three grades are put together and traded as Unsorted (Grade 1, 2 & 3). This grade includes many clear boards and some boards with limited knots up to 30mm. This grade is commonly used in both residential and commercial projects where a natural appearance is desired. This is a cost effective option comparing to the increasing prices of cedar.

Prima / Clear grade is premium grade with clear boards only. There are only a few tiny knots. It provides an aesthetic uniform look.

The actual percentage of each quality division in any one shipment or pack of clear and knotty grades correlates with the natural recovery of the timber while sawing.

Siberian Larch timber products create a pleasing appearance but is also durable and dense.

## SUPREMEM WOOD PRODUCTS ( GRADE - UNSORTED )



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# TECHNICAL INFORMATION

## THE TREE

Region of origin: Krasnoyarsk Krai, Siberia, Russia.

A medium sized species, ranging in size from 20 to 40 meters in height with a diameter up to slightly over 1 meter. Extremely slow grown material, lifespan can be up to 900 years.

## THE TIMBER

The heartwood is golden brown to yellow and orange in color, sharply defined from the narrow, lighter colored sapwood. It is a resinous wood, with clearly marked annual rings. It has straight grain, a fine, uniform texture and is rather heavy weighing from 590kg/m<sup>3</sup> to 700kg/m<sup>3</sup> when dried.

High durability and extra resistant against rot and fungus, this makes it ideal for outside joinery, cladding and decking.

## SAWING

The hardest softwood specie commercially available, therefore complicated to saw. Also natural resins in the wood have a tendency to gum up saw blades.

## DRYING

Difficult to dry due to its high resin content. Therefore it should be dried very slowly to prevent checking and other drying defects.

Kiln dried to 10% +/- 2%

## STRENGTH

It is about 50% harder than Scots Pine and slightly stronger in bending and toughness. Siberian Larch has the same Janka scale (wood hardness test) as European oak.

Group: SD<sub>3</sub>

MOR (MPa): 97

MOE(MPa): 14600

Janka Scale : 1,100 lbs/in<sup>2</sup>

## WORKING QUALITIES

It saws, machines and finishes well but it tends to split on nailing and therefore drilling or piloting is recommended particularly at board ends.

## FIXINGS

Use stainless-steel fixings only because natural oils in the timber have a corrosive effect on ferrous metals

## SHRINKAGE

Natural to 16%~18% humidity

Tangential: 6%

Radial: 3%

## DURABILITY

Currently listed as Class 3 "moderately durable" under AS 5604, Siberian Larch is at the higher end of this scale

## TREATABILITY

Difficult

## RESISTANCE

Bio resistance: High (twice of Oak)

Fire resistance: High (twice of Pine)

## MOISTURE MOVEMENT

Medium

## WEATHERING

If left untreated, in the correct conditions Siberian Larch will weather to a subtle silver-gray.