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.

**GRADES**

**UNSORTED (A MIX OF GRADE 1-3)**
This grade of Siberian Larch is the higher quality available. This is a clear grade timber allowing occasional small knots up to 38mm and providing an aesthetically pleasing and consistent look. Excellent durability.

**SAWFALLING (A MIX OF GRADE 1-4)**
This grade includes the best looking boards and boards with some larger and a greater amount of knots. It gives a rustic and less uniform look. A cost effective option with good durability.

**VERSATILITY**
Siberian Larch is a hard tough timber with density at 650kg to 700kg per m³ 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.
Siberian Larch can live 700 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, Russia as close to quality raw material supply as possible. We provide rough sawn lumbers or finished timbers with a wide range of profiles and sizes, including custom made products.

<table>
<thead>
<tr>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rough Sawn</td>
<td>25 / 32 / 50</td>
<td>75 / 150 / 200</td>
</tr>
<tr>
<td>Decking</td>
<td>20</td>
<td>140</td>
</tr>
<tr>
<td>Flooring</td>
<td>27</td>
<td>140</td>
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For rough sawn products, it starts at $1,450 per m³ e.g. $7.25 per linear meter for 200mm x 25mm e.g. $9.28 per linear meter for 200mm x 32mm

For decking, it starts at $8.80 per linear meter for 140mm x 20mm

All prices are inclusive of shipping to any port of New Zealand. Plus GST.

Rough sawn products can be machined into your required profile for cladding, flooring and etc. with additional $1.40 per linear meters only

Minimum order of one 40ft container or 34m³
The logs are bought directly in Russia and they get sawn into edged lumbers. They are sorted into five distinct quality divisions according to grading standard Russia GOST 26002-83.

The best four grades are put together and traded as Sawfalling (Grade 1, 2, 3 & 4). This grade includes several clear boards, some boards with limited knots up to 30mm and some boards with frequent and larger knots. This grade is commonly used in both residential and commercial projects where a natural or rustic appearance is desired. This is a cost effective option comparing to the increasing prices of cedar.

Unsorted (Grade 1, 2 & 3) is a clear grade boards with limited knots up to 30mm.

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. Find the desirable look for your project from this photo album.

SUPREMEM WOOD PRODUCTS (GRADE - UNSORTED)

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## TECHNICAL INFORMATION

### THE TREE
Region of origin: Krasnoyarsk Krai, Siberia, Russia.

A medium sized specie, 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 650kg/m³ to 700kg/m³ 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 16% ~ 18%

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

- **Group:** SD3
- **MOR (MPa):** 97
- **MOE(MPa):** 14600
- **Janka Scale:** 1,100 lbs/in²

### 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
Small

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