Siberian Larch
Cladding and Decking
About Silva Timber

It’s over 15 years since Silva Timber was founded on the basis of high quality products and customer service.

Nick Taylor, Managing Director

Over the last 15 years our product offering and dedicated team has grown but our core values remain the same, we are passionate about the timber we supply and the service we offer.

It’s not enough to be passionate about products and customer service, we consider it our duty to maintain and support the forests of the future. Almost all of our products are FSC or PEFC certified and in line with the EU Timber Regulation we do not purchase timber from anyone that cannot prove it has been sustainably sourced.

Siberian Larch (Larix sibirica)

- Naturally durable
- Aesthetically pleasing light golden brown colour
- High level of density and hardness
- Dimensionally stable

Siberian Larch boasts an impressive set of natural attributes that make it ideally suited for use as timber cladding and decking. This unique wood species has a pleasing appearance and is durable, stable and dense. It will provide excellent long term performance even in the harshest of environments.

Silva’s Siberian Larch

Our Siberian Larch is sourced directly from leading sawmills in the Irkutsk region of Siberia, from a consistent and reliable raw material that exceeds the official GOST (26002-83) grading standards. Kiln dried at source to a moisture content of 16-18% (+/-2%) allowing for immediate application of a finish and minimal acclimatisation on site.
Large content of heartwood:

Siberian Larch trees are composed of 75-90% heartwood in their natural existence, which is denser, less permeable and more durable than sapwood.

Grain and Texture:

Siberian Larch has straight grain with a fine uniform texture.

Siberian Larch – the ‘Tree of Eternity’:

Siberian Larch is a sustainable, old-growth timber that has been used in construction for centuries.

Today it is used extensively throughout Europe, primarily for external applications such as cladding and decking, and for other uses including flooring, bridges and even Olympic velodrome tracks. Its remarkable qualities and unique performance characteristics have led to it being referred to as the ‘Tree of Eternity’.

Decay Resistance:

Natural resins and extractives in Siberian Larch provide a high level of resistance against decay and rot. The primary extractive in Siberian Larch is arabinogalactan which is toxic to fungi. Siberian Larch is rated as Durability Class 3 according to BS EN 350-2.

Density:

Silva’s Siberian Larch grows in an ‘extreme continental climate’ which is characterised by long cold winters and short hot summers.

As a consequence trees grow more slowly and contain a high proportion of latewood. This is the part of the wood in a growth ring of a tree that is produced later in the growing season. The cells of latewood are smaller and have thicker cell walls than those produced earlier in the season. The resulting wood fibre is tight grained, dense (570 - 650 kg/m³ when dry) and hard. In fact Siberian Larch is the hardest of all commercially available softwood species. It has a Janka scale rating of 1100 lb/in² which is similar to European Oak (European Redwood is 480 lb/in²). This makes it more resistant to impact and abrasion than many other wood species and therefore well suited for use in public areas where wear and tear may be of concern.

Independently Verified Environmental Credentials:

Siberian Larch is one of the few old growth species that are being harvested from a sustainable forest.

Larch species actually account for 38% of the timber in a forest area 2.7 billion acres in size. The natural growth rate of Siberian Larch is five times more than the rate at which it is being harvested, making it a sustainable renewable resource that is in plentiful supply.

Silva Timber takes great care in ensuring that the Siberian Larch we buy comes from a sustainable source – it is fully FSC certified.
Cladding Profiles

Tongue & Groove V – Joint Cladding

Description:
- Creates subtle shadow line effect
- Install horizontally or vertically
- Can be installed with no visible fixings

Sizes:
21 x 96, 21 x 121 and 21 x 146mm

Shiplap Cladding

Description:
- Creates soft curved shadow line effect
- Install horizontally
- Can be installed with no visible fixings

Sizes:
21 x 96, 21 x 121 and 21 x 146mm

Channel Cladding

Description:
- Creates bold shadow line effect
- Install horizontally or vertically
- Can be installed with no visible fixings

Sizes:
21 x 96, 21 x 121 and 21 x 146mm

Bevel Cladding

Description:
- Angled profile creates strong shadow lines
- Install horizontally
- Can be installed with no visible fixings

Size:
22 x 146mm

Internal Tongue & Groove Panelling

Description
- Thinner profile is ideally suited to internal applications.
- Available with either a brushed or smooth planed surface.
- Install horizontally or vertically
- Can be installed with no visible fixings

Size
14 x 110mm
## Accessories

### Planed All Round Boards

<table>
<thead>
<tr>
<th>Sizes</th>
<th>21 x 38, 21 x 96, 21 x 121 and 21 x 146mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Siberian Larch boards are planed on all sides with eased edges.</td>
</tr>
<tr>
<td>Uses</td>
<td>Suitable for a multitude of uses, including: Board on board cladding, fascia, trim, barge boards, soffits and slatted screen fences.</td>
</tr>
</tbody>
</table>

### Corner Trim

<table>
<thead>
<tr>
<th>Size</th>
<th>38 x 38mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Provides a neat professional finish for all external corners. Planed surface with 2mm radius on edges.</td>
</tr>
<tr>
<td>Thickness</td>
<td>10mm</td>
</tr>
</tbody>
</table>

## Decking

### Decking

<table>
<thead>
<tr>
<th>Size</th>
<th>27 x 140mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Deck boards have smooth a surface with a 4mm radius to the edges so the finished deck surface will be both comfortable underfoot and pleasing to the eye.</td>
</tr>
<tr>
<td>Key Points</td>
<td>Naturally durable, high level of density and hardness, good dimensional stability.</td>
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</tbody>
</table>
Grading

Silva stocks three grades of sawn Siberian Larch that are used to produce its range of standard profiles.

The main commercial ‘appearance’ grades sawn of timber from Russia are divided into five distinct quality divisions. These grades are assigned Roman Numerals going from I (‘Firsts’) - which denotes the best looking timber, down to V (‘Fifths’), which denotes worst looking timber. Higher grade timber from Russia is sold as a mixed assortment. Machined profiles are assigned equivalent alphabetical grades.

**Unsorted (I – III)** produces a machined profile grade of A/B

| Description | The highest commercially available ‘appearance’ grade of Siberian Larch is known as 'unsorted'. This grade consists of the highest three appearance qualities - I, II & III or ‘firsts’, ‘seconds’ and ‘thirds’ (or simply described as I-III). ‘Unsorted’ grade Siberian Larch therefore consists of a mix of grade I – III. |

**Sawfalling (I – IV)** produces a machined profile grade of B/C

| Description | The difference between the ‘Unsorted’ and ‘Sawfalling’ grades is that the latter also includes IV (‘fourth’) grade in the mix, therefore ‘Sawfalling’ consists of a mix of grades I – IV. The actual percentage of each quality division in any one shipment or pack of both ‘Unsorted’ and ‘Sawfalling’ grades correlates with the natural recovery of the timber while sawing. |

**Fourths (IV) produces a machined profile grade of C**

| Description | Fourth is an economical grade that includes a higher proportion of knots and other natural characteristics. It is an excellent choice if a more rustic appearance is required. |
**Options**

**Sand textured face:**
Slight texture applied to face to remove mill glaze and permit deep consistent penetration of finish. Recommended for customers applying own finish on site.

**Brush textured surface:**
Brush texture provides an aesthetically pleasing natural texture that enhances the grain of the wood. Recommended for customers applying own finish on site.

**Factory pre-finishing:**
Silva Timber uses Sansin Enviro Stain to factory finish Siberian Larch cladding and decking. Boards are first sand textured or brush textured then finished on all sides. Other manufacturers coating systems are also available.

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**Finishing Options**
Choose from over 85 standard colours or select one of our recommended colours below:

**Natural Tones:**
- Harvest Gold
- Light Honey
- Espresso

**Translucent Tones:**
- Mushroom
- Onyx
- Pickled White

**Saturated Tones:**
- Barn-Board
- Mocha
- Limestone Trail
Visit www.silvatimber.co.uk for more information, technical specifications, downloadable BIM objects, case studies and installation guides

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