



Euro-Larch (Larix sibirica)

Specification sheet

Euro-Larch timber is a species of tree grown in arctic conditions and under much duress, although Larch grows faster than most coniferous trees from the same area. Native to western Russia, it is a timber that is held in high esteem by the timber trade and used predominantly for construction work as a hardy cladding material. It carries much natural resin and is especially resistant to decay. It is extremely hard making it one of the toughest and strongest softwoods in the world.

Also known as Siberian larch, Russian larch, European Larch

European Siberian Larch Environmental Listed in the IUCN Red List of Threatened Species as LR – Lower Risk (least concern). Not listed in CITES. Available from well-managed sources.

Distribution The native distribution for *L. sibirica* extends across Siberia to Mongolia and northern China. In Siberia it is extracted from 'natural forest' and most of this timber is extremely slow grown material. In the eastern part of its range it hybridises with *L. gmelinii* and is known as *Larix x czekanowskii*. *L. sibirica* is also grown in plantations in Austria, Norway and Finland yielding more quickly grown material. It has been introduced into Canada and northern USA.

Euro-Larch Properties

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

Strength Likely to be similar to European larch which is about 50% harder than Scots pine and slightly stronger in bending and toughness. The strength values for slow grown Larch material are likely to be slightly higher than for faster grown plantation sourced material.

Working Qualities Similar to European larch in that it saws, machines and finishes well but it tends to split on nailing and therefore drilling is recommended particularly at board ends.

Durability Slightly durable. Moderately durable. The heart-wood is moderately resistant to preservative treatment and the sapwood is permeable. Especially resistant to decay

Treatability Extremely difficult

Moisture Movement Reported to be small

Use(s) Weatherboards ,Cladding, Interior & Exterior, Windows & doors .Sarking ,flooring

Products for Euro-Larch

Weatherboards

BBS offer timber weatherboards ex150x22 in range of Bevel Back, Board & Batten with selected Shiplap profiles. Euro-Larch does not require any preservative treatment which makes it none toxic.

Internal Panelling

With its natural grain look & knots this makes a great warm feature wall or ceiling. TGV or negative details

TECHNICAL INFORMATION

<u>BBS Common Name :</u>	Euro-Larch
<u>Other Name(s):</u>	Siberian Larch, Knotty Larch
<u>Scientific Name:</u>	<i>Larix sibirica</i>
<u>Distribution:</u>	Siberia, Russia
<u>Durability:</u>	Moderately Durable
<u>Lengths available :</u>	up to 5.7m
<u>Sizes available :</u>	Ex 150x50, Ex 150x25
<u>Colour/Appearance:</u>	Pale Yellow to light Brown

MECHANICAL PROPERTIES

<u>Specific Gravity :</u>	Green 580 kg/M3
<u>Janka (kN) :</u>	Dry (5.2)
<u>Strength:</u>	SD6
<u>Elastic Modulus:</u>	Green (13 GPa)
<u>Crushing Strength:</u>	Green (46 MPa)
<u>Shrinkage :</u>	Radial: 4.0%, Tangential: 9.0%
<u>Average Dried Weight:</u>	580-620 kg/M3

