DECK JOISTS & SUBSTRUCTURE

Edging/terrace beam 45×70 Siberian larch class AB

Wood species: Siberian larch.

LARCH BOIS



IDENTIFICATION

Dartank reference	**D7T20**
Dartank EAN	**3701839311530**
Material	**Larch**
Thickness	**45 mm**
Sales unit	**Linear metre**

OVERVIEW

Overview

Siberian larch (Larix sibirica) and western larch, with a golden-honey heartwood. A dense, naturally resistant softwood supplied at about 18% moisture, for decking, cladding, jetties and fences.

KEY BENEFITS

01
Dense
570–710 kg/m³ at 12% moisture.

02
Strong
Bending strength 99 N/mm² and modulus of elasticity 13,800 N/mm².

03
Naturally durable
Natural durability class 3–4 depending on exposure.

04
Golden tone
Golden-honey heartwood that weathers to silver grey.

05
Outdoor use
Decking, cladding, jetties, fences and exterior joinery.

06
Controlled grading
Premium, A+, AB and C grades defined on the visible face; 5% sorting tolerance.

PRODUCT CHARACTERISTICS

Material	**Bois**
Width	**70 mm**
Length	**sur demande**
Profile	**S4S**
Protection	**Aucune**
Wood species	**Mélèze de Sibérie**
Class	**AB**

THE MATERIAL

Larch

Siberian or Canadian larch, dense and resinous, for decking and cladding.

Species	**Siberian larch (Larix sibirica); also Dahurian larch (Larix gmelinii) and western larch (Larix occidentalis)**
Origin	**Western, central and southern Siberia**
Density	**570–710 kg/m³**
Colour	**Golden honey**
Grain and texture	**Straight grain, medium texture**
Moisture content on delivery	**18 % ±2**
Tangential shrinkage	**8.2 %**
Dimensional tolerance	**6 %**
Radial shrinkage	**4.2 %**
Fibre saturation point	**26 %**
Appearance grades	**Premium / A+ / AB / C**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Compressive strength		**55 N/mm²**
Flexural strength		**99 N/mm²**
Modulus of elasticity		**13800 N/mm²**
Natural durability (class)	EN 350	**3–4**
Resistance to fungi		**Moderately durable**
Resistance to insects		**Moderately durable**
Resistance to termites		**Moderately durable**

INSTALLATION

Installation

1. **Substructure** Install above ground with sufficient ventilation.
2. **Gap between boards** Leave about 4–7 mm between boards (more for the most reactive species).
3. **End gap** Allow about 2–3 mm between board ends.
4. **Screwing** Screws twice as long as the board is thick, driven at 90°, head flush (neither proud nor sunk).
5. **Pre-drilling** Always pre-drill, even with self-drilling decking screws.
6. **Fasteners** A2 stainless-steel screws for tropical hardwoods and larch.
7. **Machining** Sawing and finishing: good; nailing requires pre-drilling; drying carries a risk of distortion and checking.
8. **Acclimatisation** Boards acclimatise to their surroundings for up to 12 months, which may affect the acoustics of the installation.
9. **Pre-installation check** Starting installation means accepting the product's condition: report any defect before cutting, drilling or treating.
10. **Workmanship** Installation should be carried out by a professional in line with good building practice.

Storage

- **Stacking** Stack boards flat, strapped and/or evenly weighted, allowing air to circulate.
- **Shelter** Store in a dry place protected from water and UV.
- **Stacking** Unsecured storage risks cupping and twisting.

MAINTENANCE

Maintenance

Weathering	**Outdoors, the wood weathers to a silvery patina without losing its technical properties.**
Renovation	**To keep the original colour, regularly apply an exterior wood maintenance oil.**
Renovation	**Renovate the deck twice a year (before and after winter).**

QUANTITIES

COVERAGE PER LINEAR METER — 5% cutting waste

LENGTH	BILLED	BARS
2 ml	2.1 ml	2
6 ml	6.3 ml	4
12 ml	12.6 ml	7
24 ml	25.2 ml	13

WARNINGS

- **Natural material** 100% natural, hygroscopic wood: it swells in wet weather and shrinks in hot weather. Grain and colour vary from board to board.
- **Dimensions** Actual width and thickness may differ by about 10% from the invoiced dimensions.
- **Natural material** The wood's natural oils and tannins may cause stains, discolouration and natural odours.
- **Natural material** Outdoors, weathering, deformation, cracking and dimensional change are natural for wood and are not grounds for a claim.

Non-contractual document. Values are given for guidance; official documents are available on request.