FEEL WOOD
SOLID WOOD FLOORING

# LARCH CANADIAN
## A/B / 15 MM

### CHARAC-TERISTICS

- Tongue and groove all round, mini bevel all round, surface sanded with 150 grit, in accordance with EN standard 13990
- Standard finish: 2 x natural oiled
- Fixed lengths: 2353 mm, 2053 mm, 1753 mm, 1453 mm on request
- FSC® (C074686) on request
- Wood moisture 9 % +/- 2%


| Thickness ▼ / Width ▶ | | | | | | | 130 mm | Pcs./package |
|---|---|---|---|---|---|---|---|---|
| 15 mm | • | | • | • | | • | ● | 8 |

• suitable installation ● = standard programme

**Packing:** 8 pcs./package
**DiBt:** building authority appro val
**Cracks**: Occasional surface cracks are permissible (filled). Hairline cracks are occasionally permitted. Occasional head cracks are permissible when filled with putty.
**Bark pockets:** Up to a size of 2 cm² are permitted for 25 % of the number of pieces.
**Knots**: Any number of knots up to a maximum size of half a board width and a maximum of 50 % of the number of pieces are permitted. Black point knots up to 15 mm are permitted. Black-edged knots up to 25 mm in diameter are permitted up to a maximum of 15 % of the total quantity, provided they are firmly attached to the wood structure on one side of the plank. Broken knots, edge knots and cracks are permitted! Loose and fallen-out knots may be plugged with an end-grain dowel made from a branch of the same species of wood, in unlimited number. Larger open spots may be partially filled.
**Discolouration:** Natural discolouration is permissible. Blue stain is not permitted. .
**Resin pockets**: A maximum of 5 per plank, up to a size of 2 cm² and 25 % of the number of pieces, are permitted. Resin pockets are not repaired, resin leakage is possible.
**Pith ray:** Permitted for 25 % of the total number of pieces. The length of the pith ray may be present over the entire length of the plank.
**Pest infestation:** Not permissible

### Extract from standard EN 13990_2004-06-01

Based on a reference moisture content of 9%.

**Thickness**: ± 1,0 mm (according to chart 1)
**Thickness of top groove side:** ± 0,25 mm (according to chart 1)
**Width 130 mm:** ± 1,5 mm (according to chart 2)
Additional voluntary limitations of the manufacturer (based on EN 13629 for hardwood)
**Length:** ± 2,0 mm

**Transverse curvature:** ≤ 1,5 %
**Longitudinal curvature horizontal up to 1 m length:** 2 ‰ based on total length
**Horizontal longitudinal curvature from 1 m length:** 4 ‰ based on total length
**Longitudinal curvature vertical:** 1% based on total length
**Perpendicularity:** max. 0,5% of the plank width

**Declaration of performance for solid wood flooring for interior use**
**No. FW85510500: Surface oil-Kneho | Bending resistant floor elements - components wood flooring system 3 | EPH Desden -TPC No. W-12-010 | EN 14342 : 2013**
**No. FW85510001: Surface unfinished | Bending resistant floor elements - components wooden flooring system 4 | EN 14342 : 2013 EN 2013**
**No. FW85510200: Surface lacquer-Kneho | Bending-resistant floor elements - components wooden flooring system 4 | EN 14342 : 2013**

| Main features | Performance | Harmonised technical specification |
|---|---|---|
| Behaviour in fire | Cfl,-s1 spruce, beech, oak<br>Dfl,-s1 other wood species | EN 14342:2013 |
| Emission (content) of formaldehyde | E1 | |
| Emission of (content of) pentachlorophenol | PCP ≤ 5 x 10-6n | |
| Emission of other dangerous substances | no performance requirement defined | |
| Breaking strength, sliding resistance, thermal conductivity | no performance requirement defined | |
| Natural durability against fungal infestation | according to EN 335 | |
| **Technical characteristics** | | |
| **Thermal resistance m²K/W** =0,10 | **Lambda value (thermal conductivity) λ-value** = 0,15 | |

Sorting is carried out by our experienced staff and according to fixed rules. However, occasional sorting errors cannot be entirely excluded. Provided that this does not affect more than 5 % of the order quantity, this does not constitute grounds for complaint. For wood as a natural product, differences in colour and structure are always a sign of guaranteed authenticity.

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SOLID WOOD FLOORING

# LARCH CANADIAN
## A/B / 19 MM

**CHARAC-TERISTICS**

- Tongue and groove all round, mini bevel all round, surface sanded with 150 grit, in accordance with EN standard 13990
- Standard finish: 2 x natural oiled
- Fixed lengths: 2353 mm, 2053 mm, 1753 mm, 1453 mm on request
- FSC® (C074686) on request
- Wood moisture 9 % +/- 2%


| Thickness ▼ / Width ▶ | | | | | | | 130 mm | Pcs./package |
|---|---|---|---|---|---|---|---|---|
| 19 mm | • | • | • | o | • | o | ● | 6 |

• suitable installation o conditionally suitable for underfloor heating. Depending on the additional system elements used, the recommended thermal resistance may be exceeded. Slower reaction time during heating/cooling must be expected ● = standard programme

**Packing:** 6 pcs./package
**DiBt:** building authority appro val
**Cracks**: Occasional surface cracks are permissible (filled). Hairline cracks are occasionally permitted. Occasional head cracks are permissible when filled with putty.
**Bark pockets:** Up to a size of 2 cm² are permitted for 25 % of the number of pieces.
**Knots**: Any number of knots up to a maximum size of half a board width and a maximum of 50 % of the number of pieces are permitted. Black point knots up to 15 mm are permitted. Black-edged knots up to 25 mm in diameter are permitted up to a maximum of 15 % of the total quantity, provided they are firmly attached to the wood structure on one side of the plank. Broken knots, edge knots and cracks are permitted! Loose and fallen-out knots may be plugged with an end-grain dowel made from a branch of the same species of wood, in unlimited number. Larger open spots may be partially filled.
**Discolouration:** Natural discolouration is permissible. Blue stain is not permitted. .
**Resin pockets**: A maximum of 5 per plank, up to a size of 2 cm² and 25 % of the number of pieces, are permitted. Resin pockets are not repaired, resin leakage is possible.
**Pith ray:** Permitted for 25 % of the total number of pieces. The length of the pith ray may be present over the entire length of the plank.
**Pest infestation:** Not permissible

### Extract from standard EN 13990_2004-06-01

Based on a reference moisture content of 9%.

**Thickness**: ± 1,0 mm (according to chart 1)
**Thickness of top groove side:** ± 0,25 mm (according to chart 1)
**Width 130 mm:** ± 1,5 mm (according to chart 2)
Additional voluntary limitations of the manufacturer (based on EN 13629 for hardwood)
**Length:** ± 2,0 mm

**Transverse curvature:** ≤ 1,5 %
**Longitudinal curvature horizontal up to 1 m length:** 2 ‰ based on total length
**Horizontal longitudinal curvature from 1 m length:** 4 ‰ based on total length
**Longitudinal curvature vertical:** 1% based on total length
**Perpendicularity:** max. 0,5% of the plank width

**Declaration of performance for solid wood flooring for interior use**
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**No. FW85510200: Surface lacquer-Kneho | Bending-resistant floor elements - components wooden flooring system 4 | EN 14342 : 2013**

| Main features | Performance | Harmonised technical specification |
|---|---|---|
| Behaviour in fire | Cfl,-s1 spruce, beech, oak<br>Dfl,-s1 other wood species | EN 14342:2013 |
| Emission (content) of formaldehyde | E1 | |
| Emission of (content of) pentachlorophenol | PCP ≤ 5 x 10-6n | |
| Emission of other dangerous substances | no performance requirement defined | |
| Breaking strength, sliding resistance, thermal conductivity | no performance requirement defined | |
| Natural durability against fungal infestation | according to EN 335 | |
| **Technical characteristics** | | |
| **Thermal resistance m²K/W** =0,13 | **Lambda value (thermal conductivity) λ-value** = 0,15 | |

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# LARCH CANADIAN
## A/B / 25 MM

**CHARAC-TERISTICS**

- Tongue and groove all round, mini bevel all round, surface sanded with 150 grit, in accordance with EN standard 13990
- Standard finish: 2 x natural oiled
- Fixed lengths: 2353 mm, 2053 mm, 1753 mm, 1453 mm on request
- FSC® (C074686) on request
- Wood moisture 9 % +/- 2 %


| Thickness ▼ Width ▶ | | | | | | | 130 mm | Pcs./package |
|---|---|---|---|---|---|---|---|---|
| 25 mm | • | • | • | | | | ● | 5 |

• suitable installation ● = standard programme

**Packing:** 5 pcs./package
**DiBt:** building authority approval
**Cracks**: Occasional surface cracks are permissible (filled). Hairline cracks are occasionally permitted. Occasional head cracks are permissible when filled with putty.
**Bark pockets:** Up to a size of 2 cm² are permitted for 25 % of the number of pieces.
**Knots**: Any number of knots up to a maximum size of half a board width are permitted at a maximum of 50 % of the number of pieces. Black point knots up to 15 mm are permitted. Black-edged knots up to 25 mm in diameter are permitted up to a maximum of 15 % of the total quantity, provided they are firmly attached to the wood structure on one side of the plank. Broken knots, edge knots and cracks are permitted! Loose and fallen-out knots may be plugged with an end-grain dowel made from a branch of the same species of wood, in unlimited number. Larger open spots may be partially filled
**Discolouration:** Natural discolouration is permissible. Blue stain is not permitted. .
**Resin pockets**: A maximum of 5 per plank, up to a size of 2 cm² and 25 % of the number of pieces, are permitted. Resin pockets are not repaired, resin leakage is possible.
**Pith ray:** Permitted for 25 % of the total number of pieces. The length of the pith ray may be present over the entire length of the plank.
**Pest infestation:** Not permissible

### Extract from standard EN 13990_2004-06-01

Based on a reference moisture content of 9 %.

**Thickness**: ± 1,0 mm (according to chart 1)
**Thickness of top groove side:** ± 0,25 mm (according to chart 1)
**Width 130 mm:** ± 1,5 mm (according to chart 2)
Additional voluntary limitations of the manufacturer (based on EN 13629 for hardwood)
**Length:** ± 2,0 mm

**Transverse curvature:** ≤ 1,5 %
**Longitudinal curvature horizontal up to 1 m length:** 2 ‰ based on total length
**Horizontal longitudinal curvature from 1 m length:** 4 ‰ based on total length
**Longitudinal curvature vertical:** 1 % based on total length
**Perpendicularity:** max. 0,5 % of the plank width

**Declaration of performance for solid wood flooring for interior use**
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**No. FW85510200: Surface lacquer-Kneho | Bending-resistant floor elements - components wooden flooring system 4 | EN 14342 : 2013**

| Main features | Performance | Harmonised technical specification |
|---|---|---|
| Behaviour in fire | Cfl,-s1 spruce, beech, oak<br>Dfl,-s1 other wood species | EN 14342:2013 |
| Emission (content) of formaldehyde | E1 | |
| Emission of (content of) pentachlorophenol | PCP ≤ 5 x 10-6n | |
| Emission of other dangerous substances | no performance requirement defined | |
| Breaking strength, sliding resistance, thermal conductivity | no performance requirement defined | |
| Natural durability against fungal infestation | according to EN 335 | |
| **Technical characteristics** | | |
| **Thermal resistance m²K/W** =0,17 | | **Lambda value (thermal conductivity) λ-value** = 0,15 |

Sorting is carried out by our experienced staff and according to fixed rules. However, occasional sorting errors cannot be entirely excluded. Provided that this does not affect more than 5 % of the order quantity, this does not constitute grounds for complaint. For wood as a natural product, differences in colour and structure are always a sign of guaranteed authenticity.

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# THE INSTALLATION OPTIONS:

Floating installation with clips
130/135/137 mm plank width

Installation with
screws

Installation with
glue

Full-surface bonding on
underfloor heating

Dry construction elements with
underfloor heating (screwed to
intermediate battens)

Installation with clips on underfloor
heating (screed or dry construction
systems; floating "System FEEL
WOOD")

| Type of wood | λ-Value | m²K/W | Thickness [mm] | Width [mm] | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Spruce Nordic | 0,13 | 0,12 | 15 | 135 | ● | | ● | ● | | ● |
| Spruce Nordic | 0,13 | 0,15 | 19 | 135 | ● | ● | ● | ○ | ● | ○ |
| Spruce Nordic | 0,13 | 0,19 | 25 | 135 | ● | ● | ● | | | |
| Pine Nordic | 0,13 | 0,15 | 19 | 135 | ● | ● | ● | ○ | ● | ○ |
| Larch European | 0,12 | 0,13 | 15 | 135 | ● | | ● | ● | | ● |
| Larch European | 0,12 | 0,16 | 19 | 135 | ● | ● | ● | | | |
| Larch Canadian | 0,15 | 0,10 | 15 | 130 | ● | | ● | ● | | ● |
| Larch Canadian | 0,15 | 0,13 | 19 | 130 | ● | ● | ● | ○ | ● | ○ |
| Larch Canadian | 0,15 | 0,17 | 25 | 130 | ● | ● | ● | | | |
| Canadian Douglas fir | 0,15 | 0,13 | 19 | 178 | | ● | ● | | | |
| Stone Pine | 0,13 | 0,15 | 19 | 135 | ● | ● | ● | ○ | ● | ○ |
| Oak European | 0,17 | 0,09 | 15 | 137 | ● | | ● | ● | | ● |
| Oak European | 0,17 | 0,09 | 15 | 168 | | | ● | ●● | | |
| Oak European | 0,17 | 0,12 | 21 | 116 | | ● | ● | ● | ● | |
| Oak European | 0,17 | 0,12 | 21 | 137 | ● | ● | ● | ● | ● | ● |
| Oak European | 0,17 | 0,12 | 21 | 168 | | ● | ● | ●● | ●● | |
| Oak European | 0,17 | 0,12 | 21 | 198 | | ● | ● | | | |
| Red Oak European | 0,17 | 0,09 | 15 | 137 | ● | | ● | ● | | ● |
| Ash European | 0,17 | 0,12 | 21 | 137 | ● | ● | ● | ● | ● | ● |
| Oak Herringbone | 0,17 | 0,09 | 21 | 137 | | ● | ● | ● | ● | |

| | | | |
|---|---|---|---|
| Glue (e.g. Sika 54) | 0,08 | 0,03 | 2 |
| Cork | 0,08 | 0,04 | 3 |
| Wood fibre board | 0,07 | 0,04 | 3 |

m²K/W thermal resistance
λ-Value Lambda value (thermal conductivity)
- ● suitable installation method
- ●● suitable for underfloor heating; in case of deviations of the room climate outside the optimal range joint formation or cupping to a small extent is to be expected
- ○ conditionally suitable for underfloor heating; depending on additionally used system elements, the recommended thermal resistance could be exceeded. Slower reaction time during heating/cooling is to be expected