FEEL WOOD
SOLID WOOD FLOORING

OAK EUROPEAN
NATURAL / 15 MM

CHARAC-TERISTICS

- Tongue and groove all round, mini bevel all round, surface sanded with 150 grit, in accordance with EN standard 13629
- Standard finish: 2 x natural oiled
- Fixed lengths: 1753 mm, 2053 mm, 2653 mm
- FSC® (C074686) on request
- Wood moisture 9 % +/- 2 %

Thickness ▼ Width ▶							137 mm	168 mm	Pcs./package
15 mm	•		•	•		•	●		8
15 mm			•	••				●	8

• suitable installation •• 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 ● = standard programme

Packing: 8 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: Occasional bark pockets up to a size of 1 cm^2 are permissible.
Knots: Sound knots are allowed in any number up to a maximum diameter of 1/6 board width. Dark knots up to a size of 8 mm are permissible. Small knot cracks and edge break-outs are occasionally permissible. Loose or falling knots are not permissible.
Discolouration: Natural discolouration is permissible.
Sapwood: Sapwood at the edge up to 1/10 of the board width is permissible.
Wood growth: different grain patterns are permissible.
Pith ray: A pith ray with a length of 300 mm is occasionally permissable.
Pest infestation: Not permissible

Extract from standard EN 13629:2020

Maximum deviation from nominal dimensions of the element at the time of initial delivery. Based on a reference wood moisture content of 9 %.
Valid for planks with raw sanded surface.

Length: ± 2,0 mm
Thickness: ± 1,0 mm
Longitudinal curvature horizontal up to 1 m: 0,5 ‰ based on total length
Longitudinal curvature horizontal from 1 m: 2 ‰ based on total length
Width: ± 1,0 mm
Transverse curvature: ≤ 0,7 %
Offset: ≤ 0,3 mm
Perpendicularity: Max. 0,2 % of the plank width
Longitudinal curvature horizontal when glued: 1 ‰ based on total length
Longitudinal curvature vertical: 0,5 % related to length

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 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 m^2K/W =0,09	**Lambda value (thermal conductivity) λ-value** = 0,17	

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.

FEEL WOOD
SOLID WOOD FLOORING

OAK EUROPEAN
NATURAL / 21 MM

CHARAC-TERISTICS

- Tongue and groove all round, mini bevel all round, surface sanded with 150 grit, in accordance with EN standard 13629
- Standard finish: 2 x natural oiled
- Fixed lengths: 1753 mm, 2053 mm, 2653 mm
- FSC® (C074686) on request
- Wood moisture 9 % +/- 2 %

Thickness ▼ Width ▶							137 mm	168 mm	198 mm	Pcs./package
21 mm	•	•	•	•	•	•	●			6
21 mm		•	•	••	••			●		6
21 mm		•	•						●	6

• suitable installation •• 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 ● = standard programme

Packing: 6 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: Occasional bark pockets up to a size of 1 cm^2 are permissible.
Knots: Sound knots are allowed in any number up to a maximum diameter of 1/6 board width. Dark knots up to a size of 8 mm are permissible. Small knot cracks and edge break-outs are occasionally permissible. Loose or falling knots are not permissible.
Discolouration: Natural discolouration is permissible.
Sapwood: Sapwood at the edge up to 1/10 of the board width is permissible.
Wood growth: Different grain patterns are permissible.
Pith ray: a pith ray with a length of 300 mm is is occasionally permissable.
Pest infestation: Not permissible

Extract from standard EN 13629:2020

Maximum deviation from nominal dimensions of the element at the time of initial delivery. Based on a reference wood moisture content of 9 %.
Valid for planks with raw sanded surface.

Length: ± 2,0 mm
Thickness: ± 1,0 mm
Longitudinal curvature horizontal up to 1 m: 0,5 ‰ based on total length
Longitudinal curvature horizontal from 1 m: 2 ‰ based on total length
Width: ± 1,0 mm
Transverse curvature: ≤ 0,7 %
Offset: ≤ 0,3 mm
Perpendicularity: Max. 0,2 % of the plank width
Longitudinal curvature horizontal when glued: 1 ‰ based on total length
Longitudinal curvature vertical: 0,5 % related to length

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 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 m^2K/W =0,12		**Lambda value (thermal conductivity) λ-value** = 0,17

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.

FEEL WOOD
SOLID WOOD FLOORING

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