

# 2-STRIP SOLID HARDWOOD FLOORS

## PRODUCT INFORMATION

### PRODUCT SPECIFICATION

Junckers 2-strip solid hardwood floors are factory finished and ready to install in accordance to Junckers Laying Instructions. Each floorboard is assembled from two rows of staves by a glued double dovetail construction. Each floorboard is tongued and grooved on all four sides.

### PRODUCT DATA

#### Nominal board dimensions:

##### Thickness x width

14 mm x 129 mm

22 mm x 129 mm

##### Length, Commercial/Residential floors:

14 mm: 1830/900 mm ( $\pm 1.0$  mm)

22 mm: 3700/1830/900 mm ( $\pm 1.0$  mm)

##### Length, Sports floors:

22 mm: 3700 mm ( $\pm 1.0$  mm)

Stave lengths: 623.5 and 467.0 mm.

#### Tolerances, thickness and width:

Thickness 14 mm: 13.8 mm ( $\pm 0.2$  mm)

Thickness 22 mm: 21.8 mm ( $\pm 0.2$  mm)

Width: 129.0 mm ( $\pm 0.2$  mm)

#### Drying method:

Beech, all variants: Press dried.

Maple, Oak and Ash, all variants: Kiln dried.

#### Average moisture content, MC:

All variants except Black Oak: 8 % ( $\pm 2$  %).

Black Oak: 9 % ( $\pm 2$  %).

#### Other tolerances:

Landing Deviation: 0.2 mm (locally, up to 0.3 mm).

Board ends: Right angled  $\pm 0.3$  mm.

### PRODUCT RANGE, COMMERCIAL / RESIDENTIAL

Thickness / woodspecies	Grade	Surface	Product variants
14 / 22 mm beech 14 / 22 mm beech SylvaKet 14 / 22 mm oak 22 mm ash	Classic Harmony Variation	Ultra matt lacquered Silk matt lacquered Clear oil Untreated	Colours & texture <sup>1)</sup> Ships decking <sup>2)</sup> Twin herringbone <sup>3)</sup>
14 / 22 mm beech SylvaRed	Classic Harmony Variation	Ultra matt lacquered Silk matt lacquered	Ships decking <sup>2)</sup> Twin herringbone <sup>3)</sup>
14 / 22 mm black oak	Harmony Variation	Ultra matt lacquered Clear oil Untreated	Texture <sup>1)</sup> Ships decking <sup>2)</sup> Twin herringbone <sup>3)</sup>
22 mm maple	Classic Variation	Ultra matt lacquered Silk matt lacquered	Ships decking <sup>2)</sup>

1) See possibilities in the Product Selector at the web site.

2) See section "Ships decking".

3) See section "Twin herringbone".

## SHIPSDECKING

Strip made of foamed PVC with closed cells to absorb natural movements in the hardwood floor, see fig. 1.

The strip measures 3x8 mm for 22 mm floors and 3x4 for 14 mm floors and installed it provides a 2 mm wide joint, which varies over the year according to changes in the relative humidity. We do not recommend shipsdecking for Glue Down System.

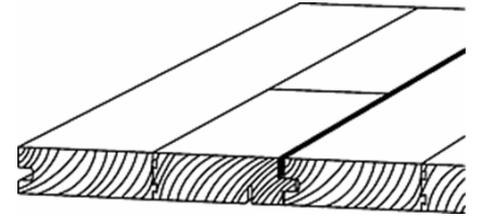


Fig. 1

## TWIN HERRINGBONE

Junckers' 14 and 22 mm 2-strip floors are also available as patterned flooring. These floorboards are cut to a length of 516.6 mm (+/- 1.0 mm) and are delivered in a right- and left-handed version. This enables installation in different patterns, e.g. herringbone. Each floorboard consists of two rows of staves. One row with a full length stave and one row with two half staves, see Fig. 2.

The Twin Herringbone flooring is delivered surface treated from the factory.

Product range (wood species and surface treatment): See options in the Product Selector at the web site.

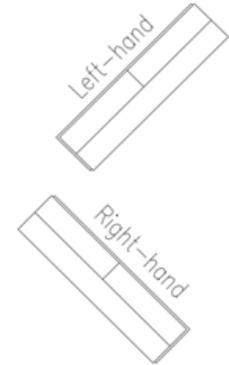


Fig. 2

## PRODUCT RANGE, SPORTS FLOORS

Thickness: 22 mm	Grade	Surface
Beech SylvaSport, Beech SylvaKet, Ash	Champion, Premium, Club	Ultra matt or silk matt lacquered
Maple	Champion, Club	Ultra matt or silk matt lacquered
Beech and Maple Sylva Squash	Champion	Silke matt lacquered or untreated

## TECHNICAL PROPERTIES

### Resistance to Indentation (indicative values):

Oak, ash and maple (all variants): Approx. 3.4 Hardness Brinell  
 Beech (all variants): Approx 3.7 Hardness Brinell

### Slip Resistance (indicative values):

Factory lacquered 0.4 / 85 according to EN 14904  
 Factory oiled: 0.4

### Fire Classification, EN 13501-1:

Surface treated: C<sub>fl</sub> – S<sub>1</sub>  
 Untreated surface: D<sub>fl</sub> – S<sub>1</sub>

**Thermal Conduction:** Approx. 0.17 W/mK

### Heat Resistance:

14 mm: Ca. 0.08 m<sup>2</sup> K/W  
 22 mm: Ca. 0.13 m<sup>2</sup> K/W

### Substances on the candidate list (ECHA)

Junckers wooden floors do not contain SVHC substances (Substances of Very High Concern) listed on the candidate list amounting to more than 0.1 %. The candidate list registers particularly problematic substances in relation to human health and the environment. (<http://echa.europa.eu/candidate-list-table>).

### Electrostatic Charging (kV), Beech:

#### Factory lacquered:

25 % RF = 3.5  
 50 % RF = 2.0  
 65 % RF = 1.0

#### Factory oiled:

25 % RF = 1.0

Oiled Beech is suitable for use in rooms with computers. (DIN 54345/1-prEN 1815)

Light reflection value ((LRV) BS 8493:200+A1:2010		
	Ultra matt	Silk matt
Maple	52	-
Ash	-	49
Ash Nordic	52	-
Beech	44	43
Oak	27	26
Oak Nordic	30	-
Black Oak	7	-

## SURFACE TREATMENT

### LACQUERED

#### Beech, Beech SylvaSport, Oak, Ash & Maple:

Priming: Several coats of UV-light curing primer.  
 Top finish: Two-component polyurethane lacquer, silk/ultra matt.  
 Total film thickness: Min. 40 µ.

#### Beech SylvaKet and SylvaRed:

Pre-treatment: Coloured throughout with a NH<sub>3</sub>-treatment to achieve a light brown colour.  
 Before lacquering Beech SylvaRed is also toned with a reddish stain. If Beech SylvaRed is sanded to bare wood, it will appear like Beech SylvaKet.  
 Priming: Several coats of UV-light curing primer.  
 Top finish: Two-component polyurethane lacquer, silk- or ultra matt.  
 Total film thickness: Min. 40 µ.

#### Oak Pearl:

Priming: Water based transparent stain.  
 Intermediate treatment: Several coats of UV-light curing lacquer.  
 Top finish: Two-component polyurethane lacquer, ultra matt.  
 Total film thickness: Min. 40 µ.

#### Black Oak:

Pre-treatment: Coloured throughout with a NH<sub>3</sub>-treatment to achieve a dark brown colour.  
 Intermediate treatment: Several coats of UV-light curing lacquer.  
 Top finish: Two-component polyurethane lacquer, ultra matt.  
 Total film thickness: Min. 40 µ.

#### Other colours:

Priming: Coloured stain.  
 Intermediate treatment: Several coats of UV-light curing lacquer.  
 Top finish: Two-component polyurethane lacquer, ultra matt.  
 Total film thickness: Min. 40 µ.

### OILED

Priming: Surface saturation using oxidative drying urethane oil.  
 Top finish: Oxidative drying urethane oil.  
 Total oil consumption: Addition to a full surface saturation.

**UNTREATED:** Final sanding to grit 150.

### SQUASH

Untreated: Final sanding to grit 40.

Lacquered: Final sanding to grit 40 + 1 coat of a silk matt two-component polyurethane lacquer.

## PACKING AND WEIGHT

### 14 x 129 mm

Wrapped in LDPE plastic and cardboard.

#### **Boards per pack / Length / m<sup>2</sup>**

8 boards / 1830 mm / 1.89 m<sup>2</sup>

1 layer in each pack may consist of 2 shorter boards of 900 mm.

#### **Weight, kg/m<sup>2</sup>**

Beech (all variants): 11.0 kg

Oak (all variants): 10.20 kg

### 22 x 129 mm

Boards length 3700 mm: Wrapped in LDPE plastic.

Boards length 1830/900 mm: Wrapped in LDPE plastic and cardboard.

#### **Boards per pack / Length / m<sup>2</sup>**

3 boards / 3700 mm / 1.43 m<sup>2</sup>

6 boards / 1830 mm / 1.42 m<sup>2</sup>

8 boards / 900 mm / 0.93 m<sup>2</sup>

One board in 1830 mm packs may be replaced by two shorter boards of 900 mm.

#### **Weight kg/m<sup>2</sup>**

Beech (all variants): 16.35 kg

Oak (all variants): 15.50 kg

Ash (all variants): 14.50 kg

Maple: 14.50 kg

### Twin Herringbone

Wrapped in LDPE plastic.

Dimensions [mm]	14x129	22x129
Number of boards per m <sup>2</sup>	15	15
Boards per pack	20	18
M <sup>2</sup> per pack	1,33	1,20
Kg per pack	13,6	19,4
Length, mm	516,6	516,6