JUNCKERS
A NATURAL FEELING

Technical Information

B 3.0

Solid Hardwood Flooring
Product information
Junckers 14 mm Board
Residential / Commercial

Boards

Oak, Black Oak, Ash, Ash Nordic, Jatoba and Beech (incl. SylvaKet, SylvaRed & SylvaColor):
Each board is assembled from two rows of staves by a dovetail construction and is either coated on the back side of the board with a UV hardening lacquer or provided with a polypropylene moisture balancer on the back side.

Stave Lengths:
623.5 mm and 467.5 mm.

Merbau:
Each board is assembled from two rows of finger-joined staves which are glued together.

Stave Lengths:
Merbau: 308.0 and 408.0 mm.

Each board is tongued and grooved on all four sides.

Nominal Board Dimensions:
Thickness: 13.8 mm (±0.2 mm)
Width: 129.0 mm (±0.2 mm)
Length: 1830/900 mm (±1.0 mm)

Drying Method, staves:
Beech (incl. SylvaKet, SylvaRed & SylvaColor) is press dried.
Ash, Ash Nordic, Oak, Black Oak, Merbau & Jatoba are kiln dried.

Moisture Content:
Boards are supplied with average moisture content of 8% (±2%), except Jatoba which is supplied with 9% (±2%) and Merbau 10% (±2%) moisture.

Precision Engineering:
Landing Deviation: 0.2 mm (0.3 mm in localised areas). Board ends are right angled at ±0.3 mm.

Fig. 1

Product Range, 14 mm

	Grades	Surface	Features
Beech **Sylvaket** **Ash** **Oak**	Classic Harmony Variation	Lacquered Oiled Untreated	Shipsdecking
Sylvared	Classic Harmony	Lacquered Oiled Untreated	Shipsdecking
Jatoba	Classic	Oiled	Shipsdecking
Merbau	Classic	Lacquered Oiled	Shipsdecking
Ash Nordic	Harmony	Pigmented/ lacquered	Shipsdecking
Black Oak	Harmony Variation	Lacquered	Shipsdecking
SylvaColor **- Umbra**		Pigmented/ lacquered	Shipsdecking

Technical Properties

Resistance to Indentation

Ash/Ash Nordic	34 N/mm^2 (3,4 Hardness Brinell)
Oak/Black Oak	34 N/mm^2 (3,4 Hardness Brinell)
Beech	36 N/mm^2 (3,6 Hardness Brinell)
Merbau	41 N/mm^2 (4,1 Hardness Brinell)
Jatoba	50 N/mm^2 (5,0 Hardness Brinell)

(prEN 1534, June 1994) and (prEN 175.333.09)

Resistance to Abrasion
Factory lacquered: wt = 0.0015 mm
(prEN 175.333.08)

Slip Resistance
Factory lacquered: 0.4 (Merbau: 0.3)
Factory oiled: 0.4
(DIN 18032/2)

Fire Classification
(preliminary)

Netherlands
Factory lacquered: Class T1
(NEN 1775:1991)

Scandinavia
Factory lacquered: Class G on combustible subfloor (NT FIRE 007)

Germany
Factory oiled and lacquered Beech, SylvaKet and SylvaRed
(DIN 4102-B1 acc. to DIN 4102-14)

Thermal Conduction
Transmission coefficient: Approx. 0.17 W/mK

Heat Resistance
Approx. 0.08 m^2 K/W

Light Reflection
(Reflectance for diffuse light)
Lacquered Beech Classic: 48%
Lacquered SylvaKet Classic: 22%

Electrostatic Charging (kV) (preliminary)	25% RH	50% RH	65% RH
Beech factory lacquered:	3.5	2.0	1.0
Beech factory oiled:	1.0	-	-

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

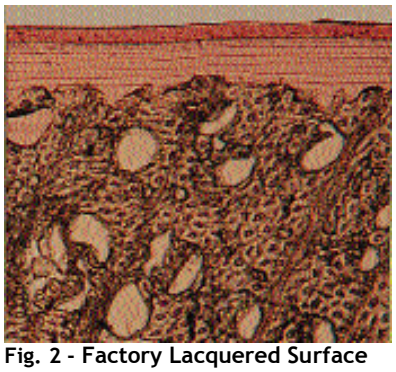

Fig. 2 - Factory Lacquered Surface

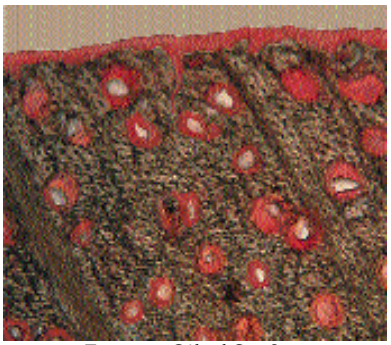

Fig. 3 - Factory Oiled Surface

Factory Surface Treatment

Lacquered

Beech, SylvaKet, SylvaRed, Ash & Oak:

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

Merbau

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

Ash Nordic

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

SylvaColor Umbra

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

Black Oak

Pre-treatment:	NH_3-treatment to achieve the dark colour.
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.

Packing

Wrapped in polythene. 8 boards in all 1.89 m^2. One layer in each bundle may consist of two boards of 900 mm.

Weight kgs/m^2

Beech (incl. SylvaKet, SylvaRed and SylvaColor):	10.2
Oak / Black Oak:	9.9
Ash / Ash Nordic:	9.6
Merbau:	11.6
Jatoba:	13.4