JUNCKERS
A NATURAL FEELING

Technical Information

# B 5.0

## Solid Hardwood Flooring
## Product information
## Junckers 20.5 mm Wide Board
## Residential / Commercial

**Wide Boards**

The Wide Board is made as one board and provided with a 1 mm bevelled edge. The Compose boards are assembled of 4 short boards finger-joined to one board. Each board is tongued and grooved on all four sides and coated on the back side of the board with a UV hardening lacquer.

*Nominal Board Dimensions:*
Thickness: 20.5 mm (±0.2 mm)
Width: 129.0 mm (±0.2 mm)
Length: 2400 / 2100 / 1800 / 1500 (±1.0 mm).

*Drying Method:*
Boards are kiln dried.

*Moisture Content:*
Boards are supplied with an average moisture content of:
Oak, Ash, Dark Ash, Ash Nordic & Jatoba: 9% (±2%)
Merbau & Jarrah: 10% (±2%)

*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, 20.5 mm

| | Grades | Surface | Features |
|---|---|---|---|
| **Merbau**<br>**Ash**<br>**Dark Ash**<br>**American Oak**<br>**Jatoba** | Classic | Lacquered<br>Oiled<br>Untreated | Shipsdecking<br>Bevelled |
| **American Oak Compose** | Classic<br>Variation | Lacquered<br>Untreated | Shipsdecking<br>Bevelled |
| **European Oak** | Harmony<br>Variation | Lacquered<br>Oiled<br>Untreated | Shipsdecking<br>Bevelled |
| **European Oak Compose** | Harmony<br>Variation | Lacquered<br>Untreated | Shipsdecking<br>Bevelled |
| **Ash Nordic**<br>**Ash Nordic Compose** | Classic | Pigmented/<br>lacquered | Shipsdecking<br>Bevelled |
| **Jarrah** | Harmony | Lacquered<br>Untreated | Shipsdecking<br>Bevelled |
| **Jarrah Compose** | Variation | Lacquered<br>Untreated | Shipsdecking<br>Bevelled |
| **Jatoba Compose** | Classic | Lacquered<br>Untreated | Shipsdecking<br>Bevelled |

## Technical Properties

**Resistance to Indentation** (Preliminary)

| | |
|---|---|
| European Oak | 34 N/mm$^2$ (3,4 Hardness Brinell) |
| American Oak | 34 N/mm$^2$ (3,4 Hardness Brinell) |
| Ash / Dark Ash | 34 N/mm$^2$ (3,4 Hardness Brinell) |
| Jarrah | 36 N/mm$^2$ (3,5 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** (preliminary)
Factory lacquered: Wt = 0.0015 mm
(prEN 175.333.08)

**Slip Resistance** (preliminary)
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)

*Italy*
Factory oiled: Class 1 (Oak)
(CSE RF 2/75/A – CSE RF 3/77)

*Germany*
Factory oiled
(DIN4102-B1 iht. DIN4102-14)

**Thermal Conduction**
Transmission coefficient: Approx. 0.17 W/m°C

**Heat Resistance** Approx. 0.12 m$^2$ °C/W¤

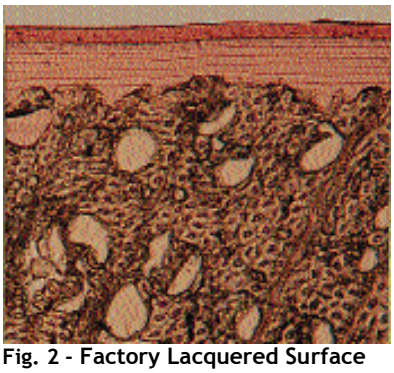

Fig. 2 - Factory Lacquered Surface

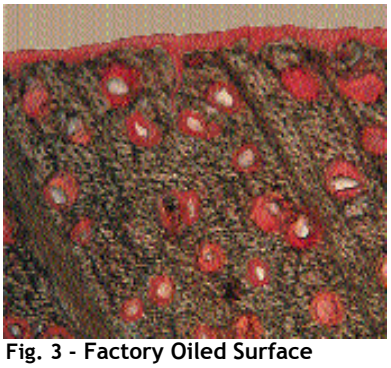

Fig. 3 - Factory Oiled Surface

## Factory Surface Treatment

**Lacquered**

*Oak, Jatoba, Ash & Dark Ash*

| | |
|---|---|
| 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 & Jarrah*

| | |
|---|---|
| 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. |

**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 and weight

Wrapped in polythene. 6 boards in each bundle.

| | Length [mm] | $m^2$/pack |
|---|---|---|
| **Ash**<br>**Dark Ash**<br>**Ash Nordic**<br>**American Oak**<br>**European Oak**<br>**Merbau**<br>**Jatoba**<br>**Jarrah** | 1500<br>1800<br>2100<br>2400 | 1.16<br>1.39<br>1.63<br>1.86 |
| **American Oak Compose**<br>**European Oak Compose**<br>**Ash Nordic Compose**<br>**Jatoba Compose**<br>**Jarrah Compose** | 2400 | 1.86 |

| | kgs/$m^2$ |
|---|---|
| **European Oak**<br>**American Oak** | 14.7 |
| **Ash**<br>**Dark Ash**<br>**Merbau** | 17.3 |
| **Jarrah** | 17.8 |
| **Jatoba** | 19.7 |