Junckers 14 mm boards
All products excl. Merbau:
Each board is assembled from two rows of staves by a dovetail construction.

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 and Sylvared) 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 and Merbau which is supplied with 9% (±2%) moisture.

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

Product Range

<table>
<thead>
<tr>
<th>Product name/ wood species</th>
<th>Grades</th>
<th>Surface</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beech Sylvaket</td>
<td>Classic</td>
<td>Lacquered</td>
<td>Shipsdeking</td>
</tr>
<tr>
<td>Ash</td>
<td>Harmony</td>
<td>Oiled</td>
<td></td>
</tr>
<tr>
<td>Oak</td>
<td>Variation</td>
<td>Untreated</td>
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<tr>
<td>Sylvared</td>
<td>Classic</td>
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<tr>
<td></td>
<td></td>
<td>Untreated</td>
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</tr>
<tr>
<td>Jatoba</td>
<td>Classic</td>
<td>Lacquered</td>
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<td></td>
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<td>Oiled</td>
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<tr>
<td>Ash Nordic</td>
<td>Classic</td>
<td>Lacquered</td>
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</tr>
<tr>
<td>Beech Nordic</td>
<td>Harmony</td>
<td>Pigmented/</td>
<td>Shipsdeking</td>
</tr>
<tr>
<td></td>
<td></td>
<td>lacquered</td>
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</tr>
<tr>
<td>Oak Nordic</td>
<td>Harmony</td>
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<td>Oak Pearl</td>
<td>Variation</td>
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</tr>
<tr>
<td>Black Oak</td>
<td>Harmony</td>
<td>Lacquered</td>
<td></td>
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</tbody>
</table>

Technical Properties

Resistance to Indentation
Ash/Ash Nordic: 34 N/mm² (3.4 Hardness Brinell)
Oak/Black Oak: 34 N/mm² (3.4 Hardness Brinell)
Beech/Beech Nordic: 36 N/mm² (3.6 Hardness Brinell)
Merbau: 41 N/mm² (4.1 Hardness Brinell)
Jatoba: 50 N/mm² (5.0 Hardness Brinell)

Resistance to Abrasion
Factory lacquered: wt = 0.0015 mm
Factory oiled: 0.4

Slip Resistance
Factory lacquered: 0.4
Factory oiled: 0.4

Fire Classification
C0 = S1
(DIN EN 13501-1)

Thermal Conduction
Transmission coefficient: Approx. 0.17 W/mK

Heat Resistance
Approx. 0.08 m² K/W

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

Electrostatic Charging (kV)

<table>
<thead>
<tr>
<th>25% RH</th>
<th>50% RH</th>
<th>65% RH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beech factory lacquered: 3.5</td>
<td>2.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Beech factory oiled: (Oiled Beech is suitable for use in rooms with computers) 1.0</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Fig. 1
## Factory Surface Treatment

### Lacquered
- **Beech, SylvaKet, SylvaRed, Merbau, 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.

### Ash Nordic, Beech Nordic & Oak 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.

### 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:** NH₃-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 m². One layer in each bundle may consist of two boards of 900 mm.

### Weight kgs/m²
- **Beech (incl. SylvaKet, SylvaRed and Nordic):** 10.2
- **Oak / Black Oak / Oak Pearl / Oak Nordic:** 9.9
- **Ash / Ash Nordic:** 9.6
- **Merbau:** 11.6
- **Jatoba:** 13.4