

Fertigparkett



Real natural wood

## Technical Data Sheet

### 3-Layer Engineered Hardwood Flooring Oak Chicago

EAN - 4260277618926

#### Construction & Material Composition

**Top Layer:** German or French Oak Quercus Robur

**Core Layer:** Poplar (Populus Simonii)

**Backing Layer:** Poplar (Populus Simonii)

**Grade:** DD - character (to learn more about our grades press → [HERE](#))

#### Dimensions & Packaging

**Plank Dimensions:** 2200 x 260mm

**Overall Thickness:** 15mm

- Top Layer - 4mm
- Core Layer - 9mm
- Backing Layer - 2mm

**Bevels:** 4 sides bevels, 0.5mm

**Moisture Content (Pre-Installation):** 7-9%

**Packaging:** 137,28sqm per pallet. 6 planks per package, 1 split plank included (Min length 600mm) 3,432sqm.

**Storage Conditions:** Dry, ventilated area (15-25°C, 40-60% humidity)

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### Surface Finishing

**Finish Type:** Pre applied WOCA oil with a smooth natural wood grain optic.

**Coating:** 3 layers

**Surface Finish:** Brushed

### Key Performance Indexes (EN 14342:2013)

**Durability:** 3240 N

**Formaldehyde Emission:** E1 (Tested periodically by Fraunhofer Institute)

**Pentachlorophenol Emission:**  $\leq 5$  ppm

**Thermal Conductivity:** 0.128 W/(mK)

**Moisture Content (Pre-Installation):** 7-9%

**Slip Resistance, Break Strength, Friction Resistance:** NPD

**Fire Resistance:** Dfl-s1

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## Installation & Underfloor Heating

**System:** DD click system

**Methods:** Floating or full-surface gluing (T-joint gluing recommended)

**Subfloor Compatibility:** Concrete, plywood (moisture barrier required when floating)

**Relative Humidity Requirement:** 40-60%

### Underfloor Heating:

- Compatible with warm water-based systems
- Maximum surface temperature: 27°C
- Maximum subfloor moisture: 1.8% CM (cement) / 0.3% CM (anhydrite)

## Environmental, Warranty & Compliance

**VOC Emissions:** Tested by Fraunhofer WKI, compliant with AgBB 2021

### Ultra-low emissions:

- TVOC after 28 days: 0.064 mg/m<sup>3</sup> (limit: ≤1.0 mg/m<sup>3</sup>)
- Formaldehyde Emission: 0.002 mg/m<sup>3</sup> (limit: ≤0.12 mg/m<sup>3</sup>)
- No carcinogenic VOCs detected (detection limit: 1 µg/m<sup>3</sup>)

**Complies with European Standards:** EN 14342, DIN EN 16516, AgBB VOC regulations

**Warranty:** 15 years residential (conditions apply)