

# IMPERIAL FLOORING AUSTRALIA®

## ARCHITECTURAL SPECIFICATION

15mm Engineered Timber Flooring Collection

### 1. PRODUCT DESCRIPTION

15mm Engineered European Oak Timber Flooring comprising a 3mm solid European Oak wear layer bonded to a multi-layer structural plywood core for enhanced dimensional stability and performance.

Finished with a brushed ultra-matt UV lacquer (5–8% gloss level), providing durability, scratch resistance and a natural timber aesthetic. Each plank is unique with natural grain variation and tonal character. Suitable for both residential and light commercial environments (subject to specification and site conditions).

### 2. PERFORMANCE CHARACTERISTICS

- Engineered multi-layer construction for dimensional stability
- UV-cured lacquer for enhanced wear resistance
- Suitable for installation over concrete slabs and timber subfloors when prepared to specification
- Compatible with hydronic in-slab heating when installed via Direct Stick method

### 3. INSTALLATION SPECIFICATION

Installation is recommended to be carried out by a qualified flooring installer in accordance with Australian Standards and Imperial Flooring Australia installation guidelines.

### 4. PRODUCT SPECIFICATION DATA SHEET

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Brand                  | Imperial Flooring Australia®                                                          |
| Timber Species   Grade | European Oak   ABCD                                                                   |
| Construction           | Multi Layer Cross Plywood                                                             |
| Board Dimensions       | 1900mm (Length) x 190mm (Width)                                                       |
| Thickness   Top Layer  | 15mm   3mm Veneer                                                                     |
| Surface Finish         | Brushed UV Lacquer Matte Finish                                                       |
| Joining System         | Tongue + Groove                                                                       |
| Edging                 | 4 Sided Micro-Bevel                                                                   |
| Installation Method    | Direct Glue Down   Floating Floor                                                     |
| Pack Size              | 1.805 m²   5 x Boards   19kgs<br><small>&lt; 25% Nested Random Shorter Boards</small> |
| Slip Test Rating       | P3                                                                                    |
| Fire Report Rating     | CHF Value: 3.7 kW/m2<br>Smoke Value: 64 %.min                                         |
| Warranty               | Residential: 20 Years<br>Commercial: On Request                                       |



TINGE OAK



NEUTRAL OAK



RAW OAK



WHITE WASH



GOLDEN OAK



PURE NATURAL  
OAK



LIGHT SMOKED  
OAK



HICKORY BROWN



SANDY BAY



MINK GREY



VINTAGE BROWN



DARK BROWN



CHARCOAL

## 5. GENERAL SITE REQUIREMENTS

- Building must be weather-tight and fully enclosed
- Wet trades completed and areas fully dry
- HVAC operational where applicable
- Subfloor must be structurally sound, clean, dry and level
- Maximum subfloor flatness tolerance: **3mm deviation over 3 metres**
- Concrete slabs must be fully cured (New Builds)
- All concrete substrates must be sealed with an approved moisture barrier system
- Flooring must be acclimatised within installation area prior to laying
- Expansion gaps must be provided at all vertical obstructions

## 6. INSTALLATION METHOD A – DIRECT STICK (FULL GLUE-DOWN)

### Recommended Application

Preferred method for maximum stability and for areas where fixed cabinetry or heavy joinery will be installed.

### Subfloor Preparation

- Apply approved moisture barrier to concrete substrates
- Allow moisture barrier to cure as per manufacturer instructions
- Subfloor must meet flatness tolerances 3mm over 3mtrs

### Adhesive Application

- Use approved timber flooring adhesive
- Apply using manufacturer-recommended notched trowel
- Ensure continuous adhesive coverage – no voids
- Install boards into wet adhesive and press firmly for full contact

### Laying Procedure

- Maintain minimum **8mm** perimeter expansion gap
- Stagger end joints minimum 450mm
- Remove excess adhesive immediately
- Use tapping block to ensure tight joints
- Allow full adhesive cure before foot traffic (as per adhesive manufacturer)

### Fixtures & Joinery

- Heavy cabinetry, kitchen islands and fixed joinery may be installed over direct stick flooring

## 7. INSTALLATION METHOD B – FLOATING FLOOR SYSTEM

### Recommended Application

Suitable for residential installations where floor is not mechanically fixed to substrate.

### Subfloor & Underlay

- Install approved acoustic or floating floor underlay
- When over concrete, underlay must incorporate vapour barrier at minimum
- Subfloor must meet flatness tolerances 3mm over 3mtrs

### Board Installation

- Apply continuous PVA adhesive to tongue and groove joints (do not spot glue)
- Engage boards and tap gently into position
- Maintain minimum **10mm** perimeter expansion gap
- Stagger end joints minimum 450mm
- Do not mechanically fix boards to subfloor

**Restrictions**

- Heavy cabinetry, kitchen islands or fixed joinery must not be installed over floating floors

**8. FULL INSTALLATION GUIDE LINK:**

[www.imperialflooringaustralia.com.au/engineered-timber-flooring-install-guide](http://www.imperialflooringaustralia.com.au/engineered-timber-flooring-install-guide)

**9. CURING AND FINISHING STEPS**

- Allow adhesive to cure for 8–12 hours minimum (or as specified by adhesive manufacturer) before light foot traffic.
- Do not place heavy furniture until full cure is achieved.
- Remove spacers once curing is complete.
- Reinstall skirting or trims by fixing to the wall only, not the floor.
- Minor gaps may be filled using colour-matched filler or cork compound (test on offcut first).

For final cleaning, use mineral spirits, turpentine or acetone to remove any adhesive residues. then a final clean with wood ph floor cleaner. Do not flood the floor with water.

**10. SITE FLOOR PROTECTION (New Builds + Renovations)**

On active building sites, newly installed flooring must be protected immediately to prevent damage. Use breathable floor protection systems. Protection must allow airflow and must not trap moisture.

**11. UNDERFLOOR HEATING REQUIREMENTS**

- Compatible with hydronic in-slab heating systems only
- Suitable for Direct Stick (Full Glue-Down) installation method only
- Floating installation is not approved over underfloor heating
- Maximum floor surface temperature must not exceed 26°C
- Heating system must be commissioned gradually
- Increase and decrease temperature in controlled increments
- Electric underfloor heating systems are not approved

**12. CARE & MAINTENANCE**

- Clean using recommended timber floor cleaning products
- Avoid excessive water or steam cleaning
- Fit protective pads to furniture
- Use entry mats to reduce abrasive wear
- Protect floor during construction works

**13. COMPANY DETAILS****Imperial Flooring Australia® Pty Ltd**

📍 1 Kennedy Ave, Yallah NSW 2530 (Wollongong)

✉ [info@imperialflooringaustralia.com.au](mailto:info@imperialflooringaustralia.com.au)

☎ 1300 676 176

**Website:** [www.imperialflooringaustralia.com.au](http://www.imperialflooringaustralia.com.au)

**Disclaimer**

Installation must be carried out by a qualified flooring professional and in accordance with this guide and relevant Australian Standards. Imperial Flooring Australia® accepts no responsibility for failure resulting from improper installation, inadequate subfloor preparation, moisture issues, or non-compliant site conditions.