

# IMPERIAL FLOORING AUSTRALIA®

## ARCHITECTURAL SPECIFICATION

20mm Engineered Timber Flooring AB Collection

### 1. PRODUCT DESCRIPTION

20 mm Engineered European Oak Timber Flooring comprising a 4 mm solid European Oak wear layer bonded to a multi-layer structural plywood core for superior dimensional stability and performance.

Finished with a brushed ultra-matt UV lacquer (5–8% gloss level), providing enhanced durability, scratch resistance and a natural timber aesthetic. Each plank exhibits unique grain and tonal variation. Suitable for both residential and light commercial environments (subject to specification and site conditions). Product available in mixed board lengths to provide a premium design aesthetic.

### 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	2200mm (Length) x 240mm (Width)
Thickness   Top Layer	20mm   4mm 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	2.112 m²   4 x Boards   28kgs <small>&lt; 25% Nested Random Shorter Boards</small>
Slip Test Rating	P3
Fire Report Rating	CHF Value: 4.3 kW/m2 Smoke Value: 59 %.min
Warranty	Residential: 20 Years Commercial: On Request



LIGHT ASH OAK



BRUSHED OAK



SIENNA OAK



MANHATTAN OAK



IMPERIAL OAK



SMOKED OAK



CHOCOLATE OAK



DARK GREY OAK

## 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**

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**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.