

ARCHITECTURAL SPECIFICATION



1. PRODUCT DESCRIPTION

14mm **Imperial Engineered Oak™** is a premium engineered herringbone flooring comprising a **3mm genuine European Oak wear layer** bonded to a high-performance multi-layer hardwood plywood core, providing exceptional dimensional stability, structural strength, and long-term performance. The surface is finished with a light wire brushed, super-matt UV-cured lacquer finish, delivering the authentic appearance and texture of natural European Oak while enhancing scratch resistance, wear performance, and ease of maintenance. Manufactured using responsibly sourced timber and independently tested for indoor air quality, 14mm Imperial Engineered Oak™ is **FSC® Certified** and **FloorScore® Certified** for low **VOC emissions E1**, making it suitable for healthier residential and commercial interiors

2. PERFORMANCE CHARACTERISTICS

- Premium multi-layer engineered construction designed to minimise expansion and contraction compared with solid timber flooring. Excellent dimensional stability for Australian climatic conditions.
- E1 Low VOC emissions compliant with stringent indoor environmental standards.
- FSC® Certified – Manufactured using responsibly sourced timber from sustainably managed forests.
- FloorScore® Certified – Certified for low VOC emissions, contributing to healthier indoor air quality.
- The 3mm wear layer can be lightly sanded and recoated in it’s lifetime.

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. TECHNICAL SPECIFICATION

|                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| Brand   Manufacturer                | Imperial Engineered Oak™<br>By Imperial Flooring Australia® |
| Timber Species   Grade              | European Oak   AB Grade                                     |
| Construction                        | Multi-Layer Hardwood Plywood Core                           |
| Board Dimensions                    | 600mm (Length) x 120mm (Width)                              |
| Thickness   Top Layer               | 14mm   3mm Veneer                                           |
| Surface Finish                      | Light Wire Brushed UV Lacquer Matte                         |
| Joining System                      | Tongue + Groove                                             |
| Edging                              | 4 Sided Micro-Bevel                                         |
| Installation Method                 | Direct Glue Down (Only)                                     |
| Pack Size                           | 1.152 m²   16 x Boards   11kgs                              |
| Slip Test Rating                    | P4                                                          |
| VOC Rating  <br>Fire Classification | VOC: E1<br>CHF Value: 3.1 kW/m2<br>Smoke Value: 45 %.min    |
| Warranty                            | Residential: 20 Years<br>Commercial: On Request             |



SIGNATURE OAK  
SKU: IFA-4009-SOK



NORDIC OAK  
SKU: IFA-4010-NOK



WHISPER  
SKU: IFA-4011-WSR



MAISON  
SKU: IFA-4012-MSB



NATURAL  
SKU: IFA-4013-NTL



DRIFTWOOD  
SKU: IFA-4014-DWD



SOHO  
SKU: IFA-4015-SOH



BARLEY  
SKU: IFA-4016-BLY

## 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)

### Required Application for Herringbone/Chevron Pattern

Herringbone or Chevron parquetry must be installed using the direct stick method only to ensure pattern stability and long-term performance.

### 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

### Layout & Pattern Control

- Establish and mark centre lines with chalk to guide pattern
- Boards must be installed symmetrically from layout lines
- Confirm alignment frequently with straight edge and chalk lines to prevent pattern drift

### Laying Procedure

- Maintain minimum **8mm** perimeter expansion gap
- Install boards base-to-base following herringbone or chevron pattern
- Remove excess adhesive immediately
- Use appropriate tapping block to ensure tight joints
- Maintain consistency in angle and spacing to achieve pattern integrity

### Fixtures & Joinery

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

## 7. INSTALLATION METHOD B – FLOATING FLOOR SYSTEM

(Not applicable – pattern parquetry requires direct stick method only)

**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 followed by 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.