

# Vienna Woods – NZBC Compliance Guide

## Engineered Oak Flooring – Petit Chateau Collection

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Prepared by: Vienna Woods Ltd

This guide sets out how Vienna Woods engineered oak flooring (Petit Chateau Collection) demonstrates compliance with the New Zealand Building Code (NZBC). The document is designed for use by architects, specifiers, and building consent authorities. It draws on independent testing and certification to provide confidence in performance as an Alternative Solution.

### Clause B2 – Durability

- Engineered oak flooring has an expected service life of >50 years when installed and maintained in accordance with the Vienna Woods Installation and Care Guides.
- Structural warranty: lifetime residential.
- Surface finish warranty: 25 years residential, 5 years commercial.
- Meets durability requirements of B2/VM1 for internal building elements with a serviceable life exceeding 15 years.

### Clause C3 – Fire Safety

- Classified as Dfl-s1 under EN 14342:2013 (CE conformity assessment).
- This classification aligns with EN 13501-1 flooring categories, however a standalone EN 13501-1 or ISO 9239-1 test certificate may be required by some authorities.
- Product suitable for internal use in all building risk groups subject to compliance with installation requirements.

### Clause D1 – Access Routes

- Tested to AS/NZS 4586:2014 (Wet Pendulum Test).
- Result: Mean coefficient of friction (COF) = 0.65 (minimum requirement: 0.40).
- Provides safe walking surface for both residential and commercial internal applications.

### Clause E3 – Internal Moisture

- Flooring tested to ISO 4760:2022 (Topical Moisture Resistance).
- Result: Passed – no penetration to substrate over 24-hour exposure.
- Within 1.5m of sanitary fixtures, installation requires:
  - D3 PVA adhesive in tongue & groove joints.
  - Flexible perimeter sealant at junctions with walls/cabinetry.
- Classified as impervious and easily cleaned when installed to manufacturer's instructions.
- Cleaning with vacuum and damp mop using approved cleaning products maintains compliance.

### Clause F2 – Hazardous Building Materials

- Formaldehyde emissions tested to EN 717-1: < LOD, meeting E1 standard.
- PCP content: 3.8 mg/kg (below 5 ppm threshold).
- Certified CARB Phase 2 & TSCA Title VI compliant.
- CE certified to EN 14342:2013 for chemical safety compliance.
- Product safe for internal residential and commercial environments.

**\*\*Declaration:\*\***

Vienna Woods Ltd confirms that the Petit Chateau Collection demonstrates compliance with the relevant clauses of the New Zealand Building Code (B2, C3, D1, E3, F2) as an Alternative Solution. Supporting documentation and independent test reports are available on request.