



**VIENNA WOODS**  
QUALITY FLOORING CO.

# General Installation Guide

## Engineered Timber Flooring (Glue Down)

This guide outlines the minimum requirements for the installation of Vienna Woods tongue and groove engineered timber flooring. Installation must be carried out by a qualified professional installer in accordance with relevant New Zealand standards (including NZS AS 1884 and NZBC requirements where applicable). Failure to follow these instructions may void warranty.

### 1. Scope of Use

- Intended for internal residential and light commercial use only.
- Not suitable for garages, exterior applications, or commercial kitchens.
- Flooring is a non-structural overlay and must be installed over an approved substrate.
- For continuous runs exceeding 15 metres in any direction, seek project-specific advice prior to installation.
- Flooring must be separated from fuel-burning appliances and flues in accordance with NZBC Section C.

### 2. Site & Environmental Conditions

- Building must be weather-tight. All wet trades (plastering, painting, tiling) completed and dry.
- Ambient temperature during and after installation: 18–25°C.
- Relative humidity (RH): 45–65%.
- Conditions at installation must reflect expected in-service conditions.
- Installer is responsible for final inspection of product and site prior to installation. Do not install boards with visible defects.

### 3. Storage & Handling

- Store flat, in unopened packaging, in installation area for minimum 48 hours prior to installation.
- Keep off concrete using battens/dunnage.
- Store in a dry, shaded environment. Do not store outdoors.



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## 4. Substrate Requirements

General:

- Substrate must be clean, dry, structurally sound and free of contaminants.
- Level tolerance: maximum 3mm variation over 3m straight edge.
- Record all moisture readings before installation.

Concrete Substrates:

- Moisture testing required. Maximum 70% RH (in-situ probe) or as per adhesive manufacturer.
- Apply approved moisture barrier if required.
- Grind high spots; fill low spots with approved levelling compound.

Timber Substrates:

- Secure all boards; eliminate movement and squeaks.
- Moisture content difference between substrate and flooring must not exceed 4%.
- Sand to remove coatings and contaminants.

Underfloor Heating:

- Flooring must be approved for use over underfloor heating.
- Commission heating system prior to installation.
- Maximum surface temperature: 29°C.
- Maintain 15°C surface temperature during installation and 48 hours after.

Wet Areas & Membranes:

- Membrane systems must be compatible with glue-down timber flooring.
- Follow NZBC E3 requirements for impervious surfaces.
- All system components must be compatible and installed to manufacturer specifications.

## 5. Installation Method – Full Glue Down

- Use a flexible adhesive suitable for engineered timber flooring.
- Apply adhesive with recommended notched trowel over entire substrate.
- Do not glue tongue and groove when full-spread adhesive is used unless specified.



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- Maintain 10–15mm expansion gap around perimeter and all fixed objects.
- Remove skirting or undercut where required.
- Mix boards from multiple packs during installation.
- Stagger end joints minimum 300mm.
- Immediately clean adhesive from surface.
- Weight flooring where necessary to ensure full bond.
- Do not fix trims or skirting to the floor; fix to wall only.

## **6. Wet Area Joint & Perimeter Sealing (Kitchens, Laundries, WCs)**

- Apply D3-rated water-resistant PVA adhesive to all plank joints.
- Apply continuous bead to groove and tongue; wipe excess immediately.
- Seal perimeter and penetrations with flexible, water-resistant sealant.
- In open-plan areas, extend sealing minimum 1.5m from sanitary fixtures.
- These measures are required to achieve an impervious surface under NZBC Clause E3.

## **7. Post-Installation**

- Remove spacers after adhesive cure.
- Protect floor with breathable protection if further trades are present.
- Avoid tape directly on floor surface.
- Minimise foot traffic for 24 hours.
- Provide client with Care & Maintenance instructions.

## **8. Natural Characteristics & Tolerances**

Engineered timber flooring is a natural product and will display variation in colour, grain, texture, knots, sapwood, and mineral features. These are not defects. Industry standard allows up to 5% manufacturing tolerance and 9–10% total allowance for wastage.

## **9. Disclaimer**

Vienna Woods accepts no liability for installation failure resulting from site conditions, substrate moisture, improper preparation, incompatible products, or failure to follow this guide and relevant standards. The installer is responsible for verifying suitability of substrate, environment, and materials prior to installation.