



# Product Technical Statement



PTS # 2366

EXPIRY DATE: 31 Oct 2024

## The LivingWood Range of Timber Flooring from The NZ Natural Timber Co.



### Product

- 1.1 LivingWood is an architecturally designed floor, wall and ceiling system made from premium quality European Oak bonded to a multi-directional, plywood substrate for ultimate stability and dimensional accuracy.**
- 1.2 The LivingWood range of timber flooring is available in five profiles in two surface textures, prefinished in a range of colours using premium Italian oil coatings or hard wearing silk matt lacquer.**
- 1.3 Superior Precision Engineering provides a smooth seamless finish and a long lasting surface that gains character with age.**
- 1.4 LivingWood provides a 20 year Residential or 10 year Commercial Warranty to the original purchaser (see LivingWood.nz for details)**

### NZ Building Regulations

- 2.1 In the opinion of BEAL, the LivingWood range of timber flooring, when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of the New Zealand Building Code (NZBC):**
  - **Performance Clause B2 Durability;** B2.3.1 (b) 15 years
  - **Performance Clause E3 Internal Moisture;** E3.3.3 and E3.3.5 covering use in wet areas for single dwelling residential only (see LivingWood E3 Compliance Statement); all other buildings are outside the scope of use
  - **Performance Clause F2 Hazardous Building Materials;** F2.3.1 covering use of a non-hazardous material. LivingWood Products will not present a health hazard to people
- 2.2 The LivingWood range of timber flooring has been assessed as 'an alternative solution' in terms of compliance with the NZBC.**

Applicant:

**The NZ Natural Timber Co Ltd.**

Assessed by:

**BEAL**

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LivingWood

## Scope and Limitations

3.1 The LivingWood Engineered Oak Flooring System is designed for interior use only; The sub-structure (installation surface) must be compliant with all provisions of the New Zealand building Code (NZBC) for new installations and for reinforced concrete floors have a moisture content of less than 6%. For replacement of existing floors advice must be sought from the manufacturer.

3.2 The LivingWood Engineered Oak Flooring System must not be installed over carpet or underlay, vinyl flooring, rubber flooring, cork flooring etc; the installation substrate must be equivalent to a new NZBC Compliant reinforced concrete or timber framed floor.

### 3.3 Installation over Concrete

A new reinforced concrete slab will usually take 90 to 150 days to dry thoroughly, depending on the size of the concrete slab and weather conditions.

The substrate should be moisture-tested with a hygrometer. If the hygrometer reading is above 70% RH (Relative Humidity), then a coat of the recommended moisture barrier should be applied to the concrete slab before laying. The RH reading of the substrate should be re-checked once it is dry. If the hygrometer reading is still too high, another coat of the moisture barrier should be applied to the concrete substrate. Continue this process or wait until the hygrometer reading is below 70% RH. The sub-floor must also be level before installation, not exceeding 3mm of variation in height for every 3m of floor area.

### 3.4 Installation over Timber

A timber substrate should be machine sanded in conjunction with the levelling recommendation, not exceeding 3mm of variation in height for every 3m of floor area. If the substrate is not within our recommendation, a levelling compound can be applied to the substrate. The moisture content difference should be no more than 4% between the LivingWood Engineered Timber flooring and timber substrate.

3.5 If designed, installed and maintained in accordance with all requirements, the LivingWood Timber Overlay System will comply with Clause E3 of the NZBC (for single dwelling residential only). Designers are referred to the E3 Compliance Statement for Engineered Oak Flooring Products (LivingWood) available from the manufacturer's website.

3.6 The owner of the building is responsible for the proper maintenance of the installed LivingWood range of timber flooring, wall and ceiling system as set out in the LivingWood technical literature provided by The NZ Natural Timber Co to the original purchaser.

## Technical Literature

4.1 Technical literature supplied:

- ◆ E3 Compliance Statement for Engineered Oak Flooring Products (LivingWood); for a copy please see [info@livingwood.nz](mailto:info@livingwood.nz)
- ◆ The LivingWood Engineered Oak Flooring System Installation Guide for Professionals v1.0

4.2 All aspects of design, use, installation and maintenance contained within the technical literature and scope of this PTS must be followed.

4.3 For a copy of this Technical Literature and any subsequent updates please refer to [sales@nznaturaltimber.co.nz](mailto:sales@nznaturaltimber.co.nz).

## Result of the Assessment

### Assessments

5.1 In the opinion of BEAL, compliance with the relevant performances of the New Zealand Building Code has been established based on an internal review of the documentation supplied.

### In-service History

5.2 NZ Natural Timber Co has provided a statement of in-service history demonstrating compliance over time in many projects. All of the data provided to the reviewer has been assessed for suitability.

### Ease of repair or maintenance

5.3 The Technical Literature has been examined by BEAL and found to be satisfactory.

5.4 Building owners are responsible for the maintenance of the LivingWood Engineered Oak Flooring System. Continuous compliance is reliant on the building owner maintaining the product in accordance with the manufacturer's maintenance instructions.

Authorised Signatory,



C R Prouse - Director

**Building Element Assessment Laboratory Limited**