



FLOOREX
TIMBER FLOORING EXPERTS

Floorex E3 Alternative Solution for Timber Flooring Specification



Contents

Scope of Use / **4**

Product Description / **5**

Installation Requirements for E3 Compliance / **7**

Compliance with NZ Building Code / **8**

Durability Statement / **10**

Warranty / **10**

Standard Range / **11**



Scope of Use

This specification applies to Floorex engineered timber overlay flooring systems installed in kitchens and laundries in residential dwellings.

It covers compliance with NZ Building Code Clauses:

- E3 – Internal Moisture
- B2 – Durability
- C3 – Protection from Fire
- D1 – Access Routes (slip resistance for stairs)

Limitations:

Excludes bathrooms and wet rooms requiring continuous waterproof membranes.
Timber flooring is only to be installed by an industry-trained professional using Floorex installation guides.

Product Description

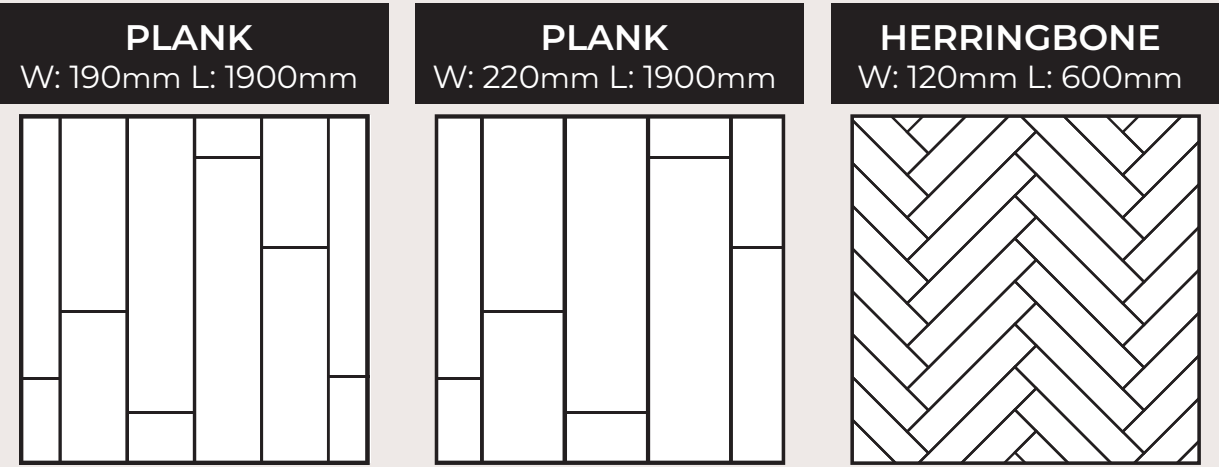
Collections Covered in this Specification: Floorex Engineered Flooring ranges
Construction: Multi-layer engineered plank with European Oak hardwood top layer and plywood core.

Technical Specifications:

- Thickness: 12–20 mm (top layer 3–6 mm)
- Lengths: 2200 mm (with up to 25% shorter boards)
- Finish: Multi-coat UV-cured matt lacquer (water, dust, and stain resistant)
- Edge Profile: 4-side micro-bevel
- Backing: Eucalyptus/Birch mix plywood
- Heavy use, lack of maintenance or unforeseen situations such as flood or adverse environmental conditions. Printed images of flooring are meant to be indicative of colour and timber grade, but don't represent actual colour and, due: Light Feature Grade

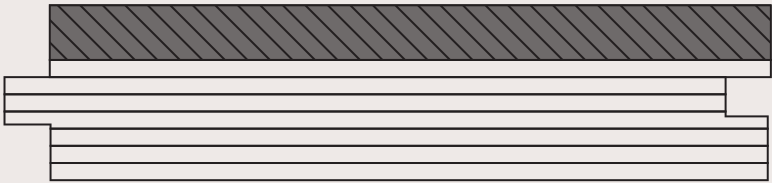
Our Standard Board Sizes and Patterns

Custom sizes available on request.



Standard Board Construction - 15mm

11mm Multi Layered Hardwood Ply Core
+ 4mm Solid Oak Wear Layer



Also available
in a 21mm thick
board (15mm
core with 6mm
wear layer)

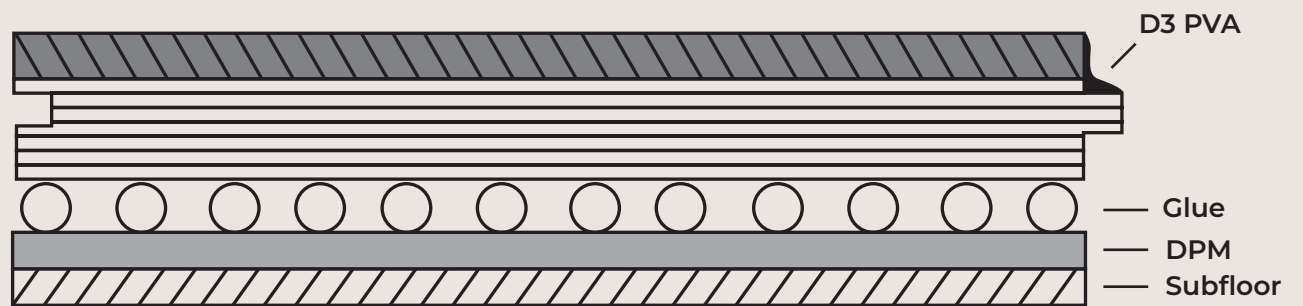


Installation Requirements for E3 compliance.

Floorex floors are glue-down using flexible urethane adhesives such as Selley's TimberFlex adhesive.

- D3 PVA adhesive applied to all tongue-and-groove joints within 1.5 m of sanitary fixtures/appliances. Preventing gaps and cracks in surface.
- Flexible perimeter sealant applied where the floor meets walls, cabinetry, or other fixed penetrations within 1.5 m of sanitary fixtures. Prevent water splash falling into gaps and cracks at perimeter of flooring.
- Vapour barrier: Where installing over concrete or particleboard, apply Selley's VBS or approved DPM before flooring installation.

See diagram showing section of Floorex installation method below.
Refer to the **Floorex Installation Guide** for full installation method.



INSTALLATION

Floorex offer full installation services and can advise on specific installation on a case by case basis.

Compliance with NZ Building Code

E3 – Internal Moisture: The E3/AS1 Acceptable solution states flooring should be ‘impervious’ and ‘easy to clean’.

Impervious is defined as - ‘that which does not allow the passage of water’.
Floorex engineered flooring is factory-coated with UV-cured lacquer and is tested to ISO 4760:2022 (Topical Moisture Resistance) earning a qualitative rating of 1 (No Change) after 24-hour water exposure.

Floorex has contracted NZTWA to conduct testing in accordance with ISO 4760:2022. This method involves placed a sealed ring filled with 100ml of water over a joint for 24 hours, the sample is then dismantled and examined for performance. This document is available on demand.

Installation in a manner that achieves the standard of ‘Impervious and Easy to Clean’.



Durability Statement.

B2 – Durability: Expected Life: Minimum 5 years per B2/AS1 Table 1. In-service history over 20 years in New Zealand.

Floorex has been in business since 2003 carrying out timber flooring installations. We have been supplying engineered timber flooring since 2011 with a proven track record of durability, with floors still showing good condition and wear over years of use.

See project on www.floorex.co.nz - ‘Bell Road’ which was installed in 2011 for evidence.

C3 – Protection from Fire: Critical Radiant Flux $\geq 2.2 \text{ kW/m}^2$.

All Floorex floors over 15mm thick meet a rating of 400KG/M3 which are compliant for use as flooring. For use on walls where a 1-S rating is required apply to Floorex for guidance on intumescent coatings.

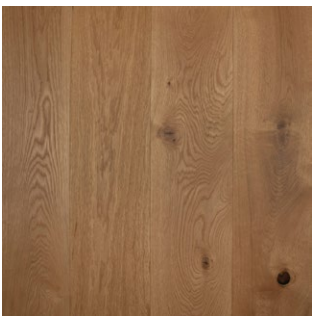
D1 – Access Routes: Slip resistance per AS/NZS 4586 Wet Pendulum Test.
Floorex flooring has slip resistance tested to comply through AWTA laboratory.
Enquire for more detail or documents on this.

Warranty

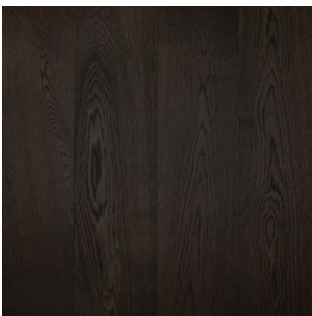
Floorex operates as a “supply and install” provider and as such all floors installed by Floorex carry a 25-year warranty in residential applications and 5 years in commercial applications. Our installation system complies to current NZ requirements and our floors are installed taking into account unique site conditions by our team of expert installers. Warranty is limited to product failure and does not cover mistreatment, heavy use, lack of maintenance or unforeseen situations such as flood or adverse environmental conditions.



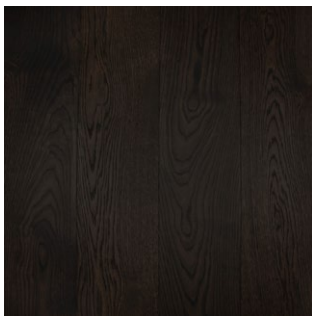
Engineered Oak Floors - Curated Range



OAK NATURE



OAK LION ROCK



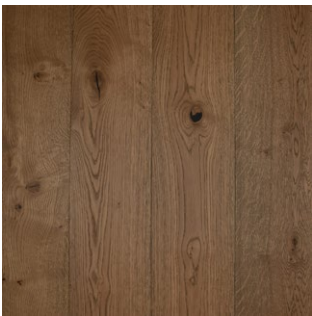
OAK CATLINS



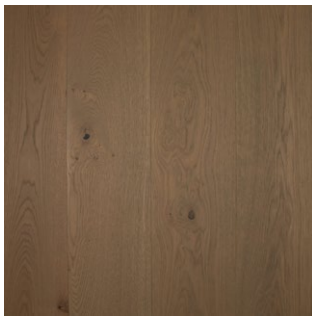
OAK BARK



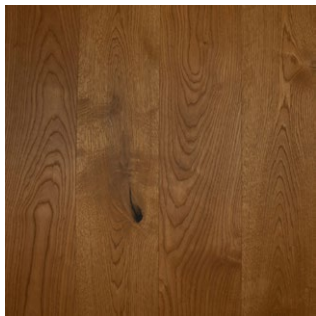
OAK RAWHIDE



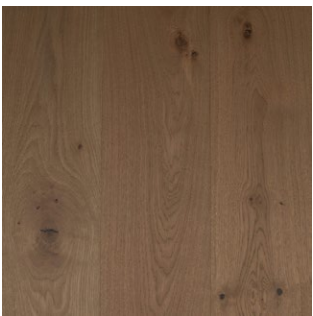
OAK LEATHER



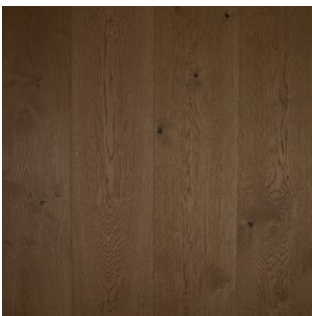
OAK TE MATA



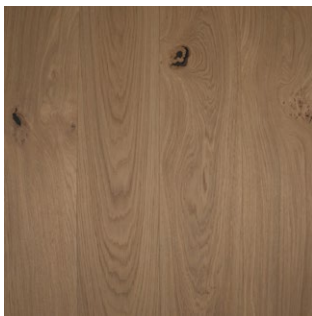
OAK TASMAN



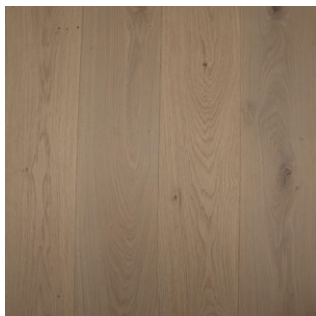
OAK MURIWAI



OAK FLORENCE



OAK SANDY'S



OAK BLANCO

