

# ■ Engineered Pre Finished Timber Flooring



New Zealand

## E3/AS1 – Alternative Solution Lining Materials - 3.0 Water Splash

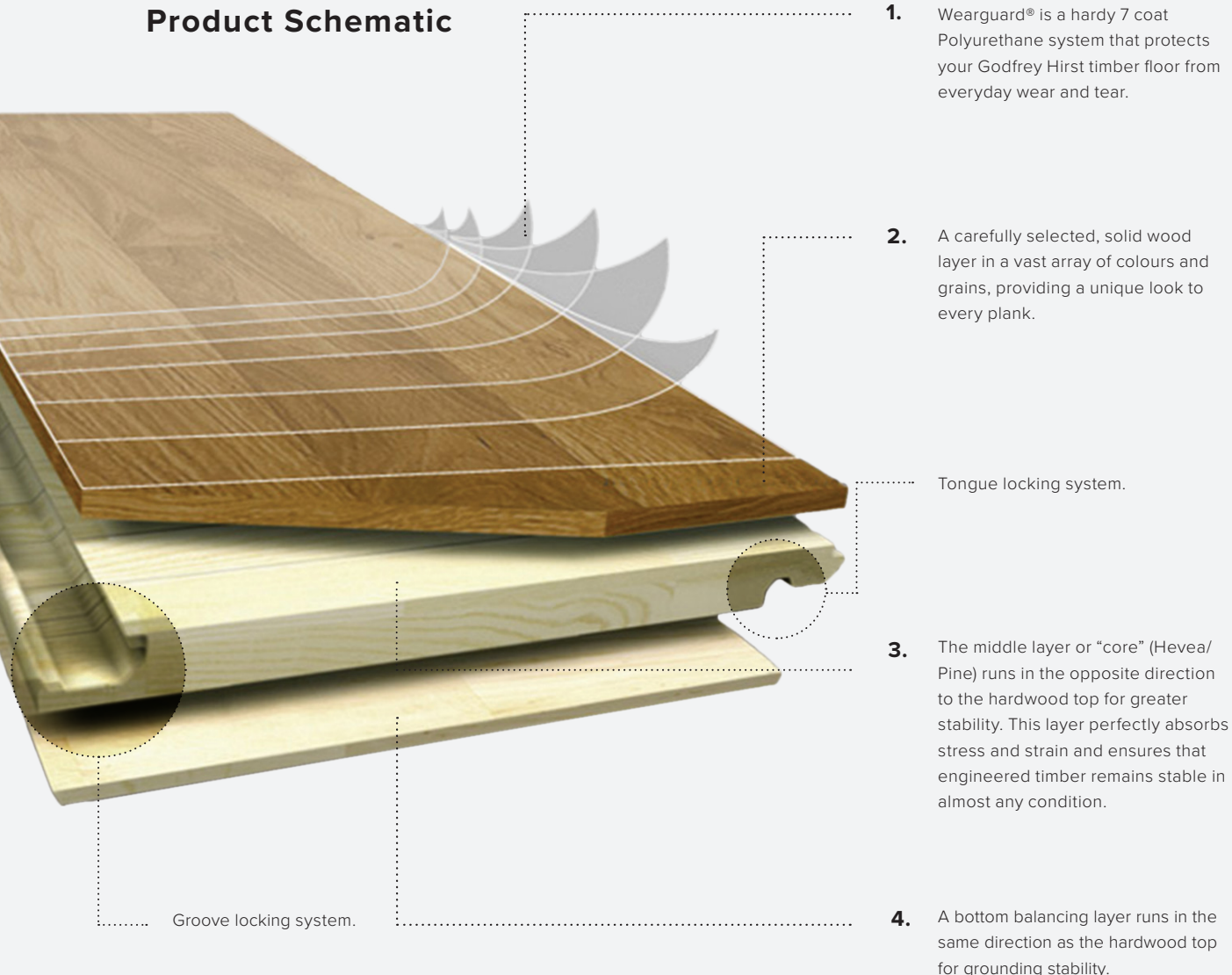
Please find below Godfrey Hirst requirements for Engineered Pre-Finished Timber flooring when submitted as an alternative solution to meet E3/AS1 Amendment 7 – effective from 5th November 2021.

Please find the following methodology and technical statements to meet wet area requirements for kitchen, integrated laundry, and powder room areas where there are sanitary fixtures and sanitary appliances.

Please note, Godfrey Hirst do not recommend engineered timber flooring installations in bathrooms and toilets.

Please ensure that this is submitted alongside adherence to Godfrey Hirst timber technical specifications, installation instructions and care and maintenance guidelines.

### Product Schematic



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Godfrey Hirst

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## Product Range Identification

- Regal Oak
- Villa
- Chateau Oak
- Naturals
- Oak Elegance

## In Service History

Godfrey Hirst are a part of the Mohawk Industries Group which manufactures and distributes a wide range of engineered timber products designed for domestic and commercial spaces. There is a long successful history both globally and here in New Zealand.

Some well-known New Zealand Apartment Installations include - The International, Alexandra Park, Wynyard Quarter, Fabric and many more.

## Factory Applied Finish – 6/7 Coats UV Cured Urethane Protective Coating

Godfrey Hirst engineered timber board surfaces are finished with 6/7 coats of factory applied urethane. Bona OR Klumpp urethanes are used due to their hard-wearing nature, flexibility, ability to withstand chips and cracks and suitability for use in commercial applications. The coating structure is warranted by the manufacture as suitable for use in kitchen and laundry applications and provide a protected timber face layer that is easy to clean providing protection over the lifetime of the floor.

## 5G Interlocking Board Mechanism Provides Tight and Strong Jointing System

Valinge 5G Locking mechanism. When the board is folded down into place a flexible fibreglass reinforced tongue snaps into the groove to lock the boards together. Board edges are further sealed with applied wax coating. This design provides a strong, tight sealed joint system. The high tensile joint strength provides superior function with climate change and resistance to surface water spills and splash.

## Protection of Perimeter

Hydro kit (or similar low modulus) High-quality waterproof, transparent and elastic one-component joint sealant. Designed for watertight sealing of connection joints between skirting boards, walls and trim profiles. Sealant to be used for the protection of floor and floor perimeter from the risk of splash providing sealed edges 1.5 meters from all sanitary fixtures and sanitary appliances.

## Easily Cleaned

Godfrey Hirst floors are easily cleaned using a vacuum or soft broom. Weekly mop the floor using a well rung out damp mop and a non-abrasive soap-free cleaner suitable for timber floors to remove any footprints, dirt and other stains or marks. Refer to our care and maintenance guides.



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## Installation Method

### Floating Floor System

Subfloor must be solid, level (2mm over 1000mm), dry (75% or less relative humidity) and clean. Any concrete subfloors must comply with NZS AS 1884. Moisture and surface PH tests should be undertaken prior to installation and results recorded and retained.

Use 200Um builders plastic as a moisture barrier\* (IF REQUIRED) ensuring joins are overlapped 300mm and completely taped with moisture resistant tape.

Install 2mm Arriba or Arriba Plus high density, closed cell foam underlay (or similar) with integrated damp proof membrane over the builder's plastic(if using). Run at least 100mm up the vertical surfaces and trim back after installation. Ensure products are overlapped and taped. Please ensure all Godfrey Hirst installation guidelines are followed throughout the entirety of the installation.



### Glued Down Floor System

Subfloor must comply with NZS AS 1884 and be suitable for the adhesive and moisture barrier system being used (refer adhesive manufacturers guidelines). The subfloor must be free of all contaminants. Moisture and surface PH tests of any concrete subfloors should be undertaken prior to installation and results recorded and retained for the period of any warranty.

Use a Godfrey Hirst recommended adhesives together with the moisture barrier system\* (\*if required). Please ensure the adhesive and moisture barrier system are compatible with each other and warranted by the manufacturer.

### Godfrey Hirst Supporting Literature Available Online and on Request

- Technical Data Sheets specific to each timber range.
- Installation instructions for floating and fully bonded systems.
- Care and Maintenance guidelines for end consumer.
- Godfrey Hirst Residential and Commercial warranty covering the use of engineered timber in kitchen, integrated laundry, and powder rooms.
- Adhesives tested and recommended for Godfrey Hirst Engineered timber floors.
- Testing Certification – VOC – Slip – Fire – Acoustic - Sustainability.

Please also refer to E3 Internal Moisture Building Code for further information and pathways for compliance specific to your building requirements. Please note alternative pathways for compliance can be achieved with building design elements depending on the building type and area of use. IE integrated overflow and flow restrictors for sinks and tubs.