

# BPIR DECLARATION

## Hard Flooring



Version: V1 December 2023

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### DESIGNATED BUILDING PRODUCT: Class 1

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#### DECLARATION

Godfrey Hirst NZ Ltd. has provided this declaration to satisfy the provisions of Schedule 1(d) of the Building (Building Product Information Requirements) Regulations 2022.

#### COMPANY DETAILS

##### Importer:

Legal Trading Name: Godfrey Hirst NZ Limited  
NZBN: 9429040592015  
Address: 142 Kerrs Road, Wiri, Auckland 2104  
Email: [info@godfreyhirst.co.nz](mailto:info@godfreyhirst.co.nz)  
Website: [www.godfreyhirst.com/nz](http://www.godfreyhirst.com/nz)  
Phone: 0800 500 210

##### Manufacturer:

This information can be found in our current manufacturing statement for [Godfrey Hirst floors](#).

#### DESCRIPTION OF BUILDING PRODUCT

This BPIR Declaration relates to Godfrey Hirst's hard flooring ranges. Hard flooring refers to any type of flooring material that is rigid, durable, and typically made from hard materials such as wood, laminate, or vinyl. It is contrasted with soft flooring, such as carpets or rugs. Manufacturing methods for hard flooring can vary depending on the material, please refer to further details contained within this document and product requirements available online:

Timber: <https://www.godfreyhirst.com/nz/product-types/timber-flooring>

Hybrid: <https://www.godfreyhirst.com/nz/product-types/hybrid-flooring>

Laminate: <https://www.godfreyhirst.com/nz/product-types/laminate-flooring>

Vinyl Plank: <https://www.godfreyhirst.com/nz/product-types/vinyl-plank-flooring>

Vinyl Sheet: <https://www.godfreyhirst.com/nz/product-types/vinyl-sheet-flooring>

Underlay: <https://www.godfreyhirst.com/nz/news/installation-guidelines-hard-flooring>

#### RELEVANT BUILDING CODE CLAUSES

- B2 Durability
- C3 Fire affecting areas beyond the fire source
- D1 Access Routes
- E3 Internal moisture
- 3.0 Watersplash
- F2 Hazardous Building Materials
- G6 Impact and Airborne Sound (In a high-rise apartment where sound may be an issue)

Explore the following pages for evidence demonstrating how Godfrey Hirst NZ Ltd. products adhere to building codes and actively contribute to compliance through their inherent properties and impact after installation.

For testing data and compliance information, please refer to the Product Spec Sheet located on the individual product web pages under the 'Downloads' tab. Visit [www.ghcommercial.com/nz](http://www.ghcommercial.com/nz)

# B2 Durability

Amendment 12 - 28/11/2019

<https://www.building.govt.nz/building-code-compliance/b-stability/b2-durability/>

## Objective

B2.1 “The objective of this provision is to ensure that a building throughout its life will continue to satisfy the other objectives of this code”.

## Performance

B2.3.1 (c) 5 Years if:

- 1.1. The building elements (including services, linings, renewable protective coatings and fixtures) are easy to access and replace and
- 1.2. Failure of those building elements to comply with the building code would be easily detected during normal building use.

## Verification B2/VM1

- 1.1. In service History
- 1.2. Laboratory testing










## Godfrey Hirst Product Compliance

- 1.1. Warranty: All products meet a minimum 5-year durability requirement.

All Godfrey Hirst floors carry a warranty supported by New Zealand after-sales service. The Godfrey Hirst warranty applies to all Godfrey Hirst floors sold in New Zealand. As a New Zealand carpet manufacturer and flooring distributor, we endorse and recognize all rights of the consumer under the Consumer Guarantees Act 1993 (the “CGA”) and further agree to match any performance guarantee or warranty offered in the marketplace, at the time of purchase, on any product which is equivalent to ours, where that performance guarantee or warranty offers rights to the consumer in addition to those in the CGA.

- 1.2. Results noted on product data sheets and test reports are available on request. Where applicable, note the usage guidance on your chosen product for your area. Please refer below to laboratory testing standards verification numbers by product category.

<b>Laminate Products:</b>	Abrasion Usage	EN 13329 EN 13329
<b>Vinyl Plank Products:</b>	Abrasion Usage	EN ISO 660-2 EN ISO 10874
<b>Hybrid Products:</b>	Abrasion Usage	EN ISO 660-2 EN ISO 10874
<b>Sheet Vinyl Products:</b>	Abrasion Usage	EN ISO 24340 EN ISO 10874
<b>Engineered Timber Products:</b>	Abrasion Usage	ASTM D 4060 – CS17 EN 13489

		INTENSITY		
		moderate	normal	high
APPLICATION	Residential buildings			
	Commercial buildings			
	Industrial buildings			

## Requirements

<https://www.godfreyhirst.com/nz/news/installation-guidelines-hard-flooring>

Godfrey Hirst floors should be installed in accordance with the product specific Godfrey Hirst Instructions online for a quality finish, please ensure your floor is installed by a professional tradesperson. If the floor is improperly installed this will void the Godfrey Hirst Warranty. Installation should also be carried out in accordance with applicable Industry standards and best trade practice.

## System Installation

<https://www.godfreyhirst.com/nz/news/installation-guidelines-hard-flooring>

Godfrey Hirst hard flooring products are installed as a system with the use of other manufacturers' building products. For example, moisture barriers, cement compounds, underlays, and adhesives. These products are critical to a successful and durable installation. Use adhesives and moisture barrier systems from one manufacturer and ensure that these are compatible with each other and warranted for the application. Warranty for installation systems and product installation of Godfrey Hirst Floors will be provided by the installer and installation materials provider.

Godfrey Hirst underlay [Arriba](#) and [Arriba Plus](#) is used for floating floor installations. Underlays are a high-quality 2mm thick closed cell physically cross-linked polyolefin foam. The underlay includes a damp-proof membrane which is overlapped and joined with moisture-resistant tape. Underlay is for use with all laminate flooring installations and floated engineered timber floor installations only. Other underlays are available from accessory suppliers to provide extra noise protection to meet building code requirements or provide improved sound absorption. Please consult Godfrey Hirst's technical department when using outsourced underlay beneath hard flooring products to check the suitability of use and installation requirements.

## Maintenance

<https://www.godfreyhirst.com/nz/news/hardflooring-care-guide>

Please refer to Godfrey Hirst Care and Maintenance guidelines for aftercare requirements for your chosen floor. It is the homeowner's responsibility to be familiar with and abide by the care requirements of their chosen floor. Incorrect maintenance and care of a Godfrey Hirst floor will void the warranty.

## Limitations

Godfrey Hirst recommends consultation with a qualified flooring professional when selecting floor coverings. Consumers need to fully understand the performance characteristics of their chosen flooring specific to the area of the building it will be installed into and any environmental impacts that are outside the control of Godfrey Hirst. Godfrey Hirst hard flooring products have been designed for use in internal environments/installations. Whilst they are easy to care for and durable, they are not suitable for outdoor use.

# C3 Fire affecting areas beyond the source

Amendment 2 - 05/11/2020

<https://www.building.govt.nz/building-code-compliance/c-protection-from-fire/c3-fire-affecting-areas-beyond-the-source/>

## Objective

The objectives of clauses C2 to C6 are to:

(a) safeguard people from an unacceptable risk of injury or illness caused by fire.

## Performance:

C3.4 (b) floor surface materials in the following areas of buildings must meet the performance criteria specified below:

### Exemptions

There are no specific requirements for detached dwellings, within household units in multi-unit dwellings, or outbuildings and ancillary buildings. For all other areas minimum critical radiance flux fire testing results are required as noted below.

Area of building	Minimum critical radiant flux when tested to ISO 9239-1: 2010	
	Buildings not protected by an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system
Sleeping areas and exit ways in buildings where care or detention is provided.	4.5kW/m <sup>2</sup>	2.2kW/m <sup>2</sup>
Exit ways in all other buildings.	2.2kW/m <sup>2</sup>	2.2kW/m <sup>2</sup>
Fire cells accommodating more than 50 persons.	2.2kW/m <sup>2</sup>	1.2kW/m <sup>2</sup>
All other occupied spaces except household units.	1.2kW/m <sup>2</sup>	1.2kW/m <sup>2</sup>

## Verification

Laboratory testing

## Godfrey Hirst Product Compliance

Results are noted on product data sheets where applicable and test reports are available on request. Determination of burning behavior using a radiant heat source. Higher critical radiance flux levels are desirable. This indicates the burning behavior of the material being tested.

All products covered by this statement have been tested following Laminate, Vinyl Plank, Hybrid, Sheet Vinyl, and Engineered Timber test method - ISO 9239 Flammability and smoke value.

# D1 Access Routes

Amendment 6 – 01/01/2017

<https://www.building.govt.nz/building-code-compliance/d-access/d1-access-routes/>

## Objective

The objective of this provision is:

(a) Safeguard people from injury during movement into, within and out of buildings.

## Performance

2.0. Access Routes D1.3.3(d): Access routes shall have adequate slip-resistant walking surfaces under all conditions of normal use.

## Exemptions

- a) Situations where safety matting is provided as described in 2.1.5
- b) For housing this requirement applies only to the access route on the approach to the main entrance and not inside that entrance and not on the approach to other entrances. The internal access routes of housing, including kitchens and bathrooms, shall be assumed to be dry in normal use.

## Comment

Bathroom floors in housing can become partially wet but safety is best managed using movable mats because most flooring materials with high slip resistance are not appropriate in this location.

2.1.2 For level access routes (including level accessible routes) expected to become wet with water in normal use, walking surfaces shall either: a) Have an SRV classification of not less than 39 from the wet pendulum test method of AS 4586 Appendix A using the Slider 96 rubber, or b) Use the materials listed in Table 2 as 'acceptable wet slip'.

Walking surface	Slip Resistance for Walking Surfaces			
	Level Surface (1)		Sloping Surface (2) or Stairs (3)	
	Acceptable Dry Slip Resistance	Acceptable Wet Slip Resistance	Acceptable Dry Slip Resistance	Acceptable Wet Slip Resistance
Vinyl and Linoleum				
Smooth or with imprinted pattern	YES	TEST	YES	NO
Profiled (studs or ribs)	YES	TEST (9)	YES	TEST (9)
Grit/flaked finish	YES	TEST	YES	TEST
Timber Composites (chipboard, cork, tiles etc)				
Uncoated	YES	NO	YES	NO
Coated (paint, polyurethane, etc)	YES	NO	NO	NO
Coated and sand/grit impregnated (5)	YES	YES	YES	YES

## Verification

1. Laboratory testing

## Godfrey Hirst Product Compliance

Results are noted on product data sheets where applicable and test reports are available on request.

**AS4586:** Appendix A - Wet Pendulum Test

**AS4586:** Appendix D - Oil Wet Inclining Platform Test

**EN16165:** Annex B - Shod ramp test

# E3 Internal Moisture

Amendment 7 - 05/11/2020

<https://www.building.govt.nz/building-code-compliance/e-moisture/e3-internal-moisture/>

## Objective

The objective of this provision is to:

- (a) Safeguard people against illness, injury or loss of amenity that could result from the accumulation of internal moisture and
- (b) Protect household units and other property from damage caused by free water from another household unit in the same building.

## Functional Requirement

Buildings must be constructed to avoid the likelihood of:

- (a) Fungal Growth or the accumulation of contaminants on linings and other building elements; and
- (b) free water overflow penetrating to an adjoining household unit; and
- (c) damage to building elements caused by the presence of moisture.

## Performance

E3.3.3 Floor surfaces of any space containing sanitary fixtures or sanitary appliances must be impervious and easily cleaned.

## 3.0 Watersplash

Surfaces of building elements likely to be splashed must be constructed in a way that prevents **water splash** from penetrating behind linings or into concealed spaces.

- 3.1.1 Flooring must satisfy the performance for impervious and easily cleaned surfaces in spaces containing sanitary fixtures or sanitary appliances. In open-plan spaces, this surface shall extend at least 1.5 m from all sanitary fixtures and sanitary appliances.

Comment - The requirement for impervious and easily cleaned floor surfaces applies to spaces such as kitchens, bathrooms, laundries, and toilet facilities.

### Acceptable Solution – Godfrey Hirst Sheet Vinyl Ranges

Integrally waterproof sheet material (e.g. polyvinylchloride) with sealed joints and sealed or coved at edges where water splash may occur.

### Alternative Solution - Godfrey Hirst Vinyl Plank, Timber, Hybrid and Laminate Ranges

Other floor finishes may also be capable of satisfying the performance for impervious and easily cleaned if installed in a manner that prevents gaps or cracks within the finish and at any parts of its perimeter that are exposed to water splash, and/or if the surface is sealed with a suitable durable coating. Please refer to the product documentation:

[Laminate](#)

[Vinyl Plank](#)

[Hybrid](#)

[Timber](#)

## Verification

In service History

Laboratory testing

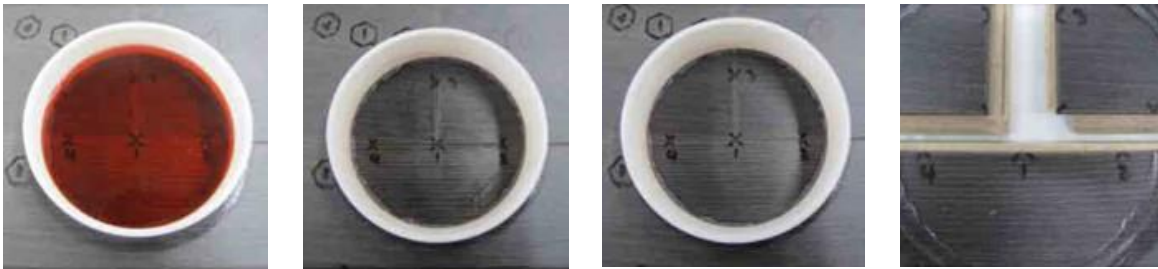
## Godfrey Hirst Product Compliance

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

### Godfrey Hirst Literature

- In-service History
- Laboratory testing
- Installation instructions
- Sealant information and use for protection at the perimeter
- Click Seal information for board perimeter seal (where required)
- Care and Maintenance guides provide consumer information regarding protection and periodic maintenance requirements.

Results are noted on product data sheets where applicable and test reports available online.  
ISO 4760:2022 Topical Moisture Resistance – Assembled joint test photograph example below.



## 2.0 Overflow and Containment

Building design elements may be required to provide further protection. This is outside of the floor lining scope. Exception - acceptable solution pathway sheet vinyl.

It is the architect's and designer's responsibility in multi-tenanted dwellings to provide for a required. For example (but not limited to), floor wastes (not recommended with floating floor systems) and integrated overflow for household kitchen sinks and laundry tubs, tap systems. Use of construction detail that provides prevention of the passage of overflow, and containment using tanking or liquid-applied membranes.

### Performance

2.0.1. If a sanitary fixture is located where accidental overflow could damage an adjoining household unit or other property, then either:

- (a) Containment and floor wastes that meet the requirements of Paragraphs 2.1.1 and 2.2.1 shall be provided, or
- (b) The exemption for household kitchen sinks and laundry tubs with integrated overflows that meet Paragraph 2.0.2 shall apply

2.1.1 Containment provided to satisfy Paragraph 2.0.1 may be achieved by using impervious floor coverings which:

- (a) Are continuous and coved or joints sealed where they meet the wall and
- (b) Extend to the doorway and all walls of the room, or to at least 1.5 m from all sanitary fixtures and sanitary appliances in open-plan rooms.

### Exemptions

Please note that the overflow clause is not mandatory for single or detached dwellings.

### Compliance - (Where required)

1. Selection of impervious [sheet vinyl](#) as the flooring medium.
2. Building Elements as noted above.

# F2 Hazardous Building Materials

Amendment 3 - 01/01/2017

<https://www.building.govt.nz/building-code-compliance/f-safety-of-users/f2-hazardous-building-materials/>

## Objective

The objective of this provision is to:

F2.2 To safeguard people, from injury and illness caused by exposure to hazardous building materials.

## Performance

The quantities of gas, liquid, radiation, or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the materials is exposed, or in the atmosphere of any space.

## Verification

Laboratory Testing

## Godfrey Hirst Production Compliance

Godfrey Hirst NZ Ltd. Importer hard flooring manufactured under a quality environmental system certified and complying with ISO 9001 and ISO 14001 by an accredited certification body.

Results are noted on product data sheets where applicable and test reports are available on request. Test type and test results are noted on product data sheets, examples are below.

<b>ASTM D5116</b>	Determinations of organic emissions from indoor material products - VOC
<b>EN 717 -1 (E1)</b>	E1 Formaldehyde Emissions
<b>Floorscore</b>	Indoor air quality (IAQ) certification standard for hard surface flooring materials, adhesives, and underlayment.

# G6 Impact and Airborne Sound

Amendment 2 - 01/12/1995

<https://www.building.govt.nz/building-code-compliance/g-services-and-facilities/g6-airborne-and-impact-sound/>

## Objective

The objective of this provision is to:

- G6.1 To safeguard people, from injury and illness or loss of amenity as a result of undue noise being transmitted between abutting occupancies.

## Performance

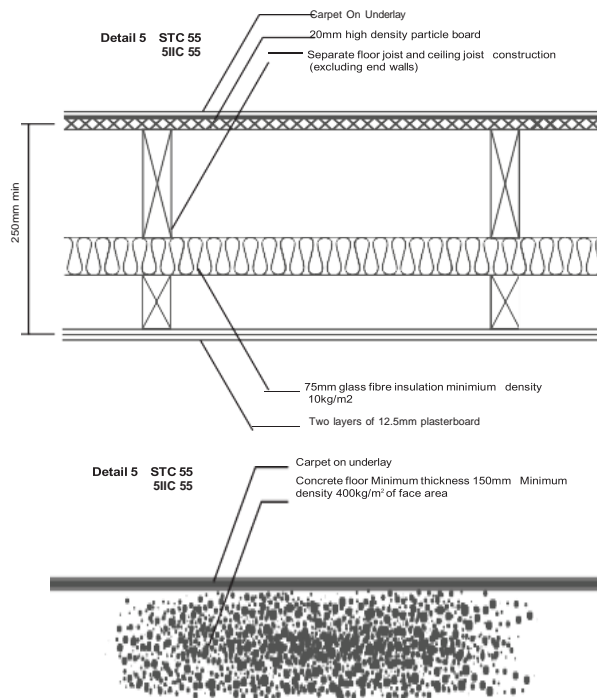
- G6.3.1 The sound transmission class of walls, floors and ceilings, shall be no less than 55.  
G6.3.2 The impact isolation class of floors shall be no less than IIC 55

Carpet on Underlay forms part of the acceptable solution for G6 building code. However, other types of flooring can be specified as long as they can meet or exceed 55 IIC. Please note that the flooring forms part of the building envelope. Acoustic engineers will need to take into consideration the building design, concrete slab thickness, ceiling cavity and gib etc as part of a system.

## Exemptions

G6 relates to building elements that are common between occupancies. It is not applicable for single or detached dwellings.

Figure 3:  
Acceptable Floor/Ceiling Assemblies for Noise Control



## Verification

Laboratory Testing

### Godfrey Hirst Product Compliance

Results are noted on product data sheets where applicable and test reports are available on request.

Floor linings will be tested on a concrete slab with or without underlay as per the product standard installation methodology. Testing will further be required in the field to confirm the combination of products meets or exceeds the IIC 55 criteria. Most hard floor coverings will require an underlay, have an integrated underlay, or be designed with acoustic properties.

Floor coverings are one part of the system. Other parts of the building and design elements will need to be evaluated alongside flooring test results to determine suitability.

Results are noted on product data sheets where applicable and test reports are available on request.

- |                    |  |
|--------------------|--|
| <b>ISO140 – 7</b>  | Field measurements of impact sound insulation of floors.   |
| <b>ISO 717 – 2</b> | Impact sound insulation of building elements.  |
| <b>ASTM E492</b>   | Measures the IIC of a specific floor/ceiling assembly. The value obtained will be dependent on the thickness the type of hard surfacing installed. |

# Responsible Person

The logo for Godfrey Hirst, featuring the company name in a white, cursive script font set against a solid red rectangular background.

In accordance with Regulation 8, as the responsible person, I confirm that the information supplied in this declaration is based on information supplied to the company by verifiable independent testing authorities as well as the company's own processes and is therefore, to the best of our knowledge, correct.

I can also confirm that none of the hard flooring products referred to in this declaration and distributed by Godfrey Hirst NZ Ltd. are under any ban outlined in Section 26 of the Building Act.

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Signed for and on behalf of Godfrey Hirst NZ Ltd.

A handwritten signature in blue ink, appearing to be the initials 'AM'.

Andre May  
General Manager Godfrey Hirst NZ

December 2023