



# Vidaspace<sup>®</sup>

## PurePlank BPIR Technical Statement

Ver 001 | 11.12.23



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## Overview

**Issue Date:** 11.12.23

**Version Number:** 001

**BPIR Class:** Class 1

**Product Collection:** PurePlank

**CBI Number:** 6312VS VidaSpace Timber Overlay Flooring System - Masterspec

**Country of Origin:** Poland

### Product Description:

PurePlank is an engineered timber flooring product that is suitable for residential and commercial applications. Manufactured using a 3-Ply construction, consisting of a European oak wear layer and a pine ply core/backing.

PurePlank is available in 12 colours and finished in matte lacquer. PurePlank is offered in a single size, measuring 14mm in thickness, 180mm in width, and 2200mm in length

### Profiles:

- Tongue & Groove
- 5G Click System

### Cross Section of PurePlank 5G Click System Construction



## Product Details

	5G Click System	Tongue & Groove
Construction	Engineered	Engineered
Wear Layer Species	European Oak	European Oak
Backing	Pine Plywood	Pine Plywood
Profile	5G Click System	Tongue & Groove
Thickness	14mm	14mm
Wear Layer	2.5mm	2.5mm
Bevel	4 Sides or Square	4 Sides or Square
Finish	Matt Lacquer	Matt Lacquer
Texture	Brushed	Brushed
Nested Lengths	Can contain up to 10% nested lengths	Can contain up to 10% nested lengths
Recommended Installation Method	Glue Down/Direct Stick ( <i>can be floated</i> )	Glue Down/Direct Stick
Origin	Europe	Europe
Responsible Certification	FSC® certified FSC C129187	FSC® certified FSC C129187
Residential Wear Resistance Warranty	20 Years	20 Years
Commercial Wear Resistance Warranty	5 Years	5 Years

## Technical Details

Janka Hardness Rating		1,120 lbf (4,890N)
Underfloor Heating		Up to 27°C
Thermal Conductivity	EN 12664	0.13 W/m K
Recycling		ok
Formaldehyde Emissions	EN717-1	Class E1 (<0.13 ppm)
PCP Emissions (pentachlorophenol)		< 5 ppm (PCP Free) CEN/TR 14823
European reaction to fire classification	EN 13501	Dfl-s1
Reaction to fire - Floors (CRF)		4.2kW/m2
Reaction to fire - Walls & Ceilings		Group 3 - To achieve Group 1-s fire rating apply Zone 92 intumescent coating or similar.
Slip Testing		CEN/TS15676 - 57(dry)/28(wet) PTV/SRV

## Product Ingredients

**Finish:** Matt Lacquer

**Wear Layer:** Quercus Robur (European Oak). Sustainably harvested & replanted.

**Bonded:** D3 Moisture Resistant Adhesive - Low VOC

**Bottom Layer:** Pinus lambertiana (European Pine)

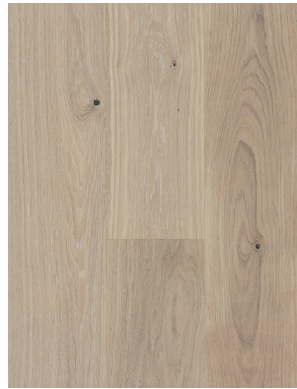


# Product Matrix

Colour	Product Identifier	Dimensions	Grade	Profile	Pack Size
<b>Bradbury</b>	HW14110	180 x 14 x 2200mm	Classic	T&G	2.77m <sup>2</sup>
<b>Allevard</b> (Square Edge)	HW2130	180 x 14 x 2200mm	Classic	5G Click	2.77m <sup>2</sup>
<b>Maison</b>	HW2503	180 x 14 x 2200mm	Classic	5G Click	2.77m <sup>2</sup>
<b>Champagne</b>	HW2502	180 x 14 x 2200mm	Classic	5G Click	2.77m <sup>2</sup>
<b>Dunbar</b>	HW14116	180 x 14 x 2200mm	Character	T&G	2.77m <sup>2</sup>
<b>Blaine</b> (Square Edge)	HW2158	180 x 14 x 2200mm	Classic	5G Click	2.77m <sup>2</sup>
<b>Stanwell</b>	HW14108	180 x 14 x 2200mm	Classic	T&G	2.77m <sup>2</sup>
<b>Somersby</b>	HW14118	180 x 14 x 2200mm	Character	T&G	2.77m <sup>2</sup>
<b>Riverstone</b>	HW14106	180 x 14 x 2200mm	Classic	T&G	2.77m <sup>2</sup>
<b>Lavardon</b>	HW2102	180 x 14 x 2200mm	Rustic	5G Click	2.77m <sup>2</sup>



Bradbury



Allevard



Maison



Champagne



Dunbar



Blaine



Stanwell



Somersby



Riverstone

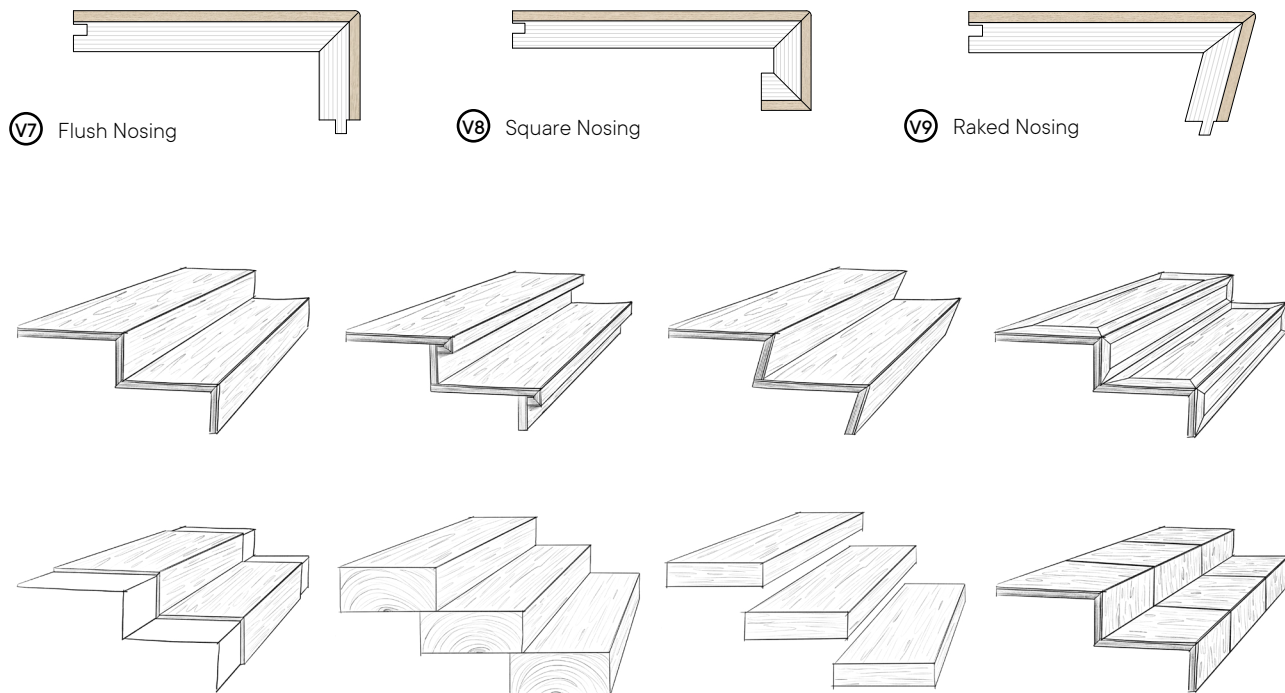


Lavardon

# Stair Designs

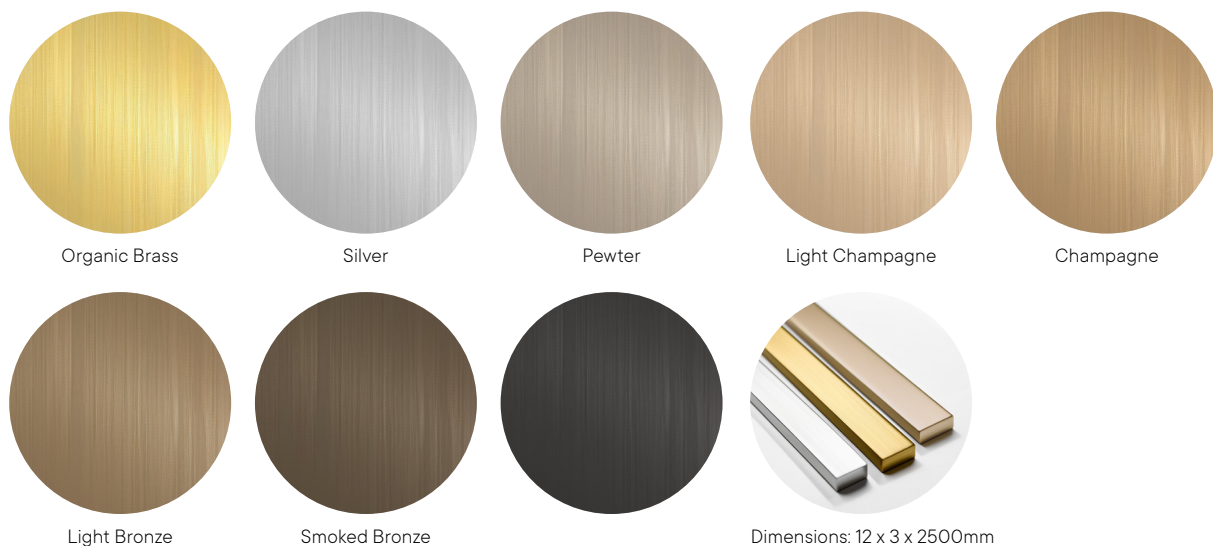
VidaSpace specialise in custom staircase design. Whether your project calls for a standard stair profile or a bespoke design, every staircase created with VidaSpace will be robust, functional, and look seamless. All staircases are designed to seamlessly complement and elevate your flooring project.

For more designs & details please refer to our VidaSpace Stair Design Guide.  
Stair Nosing & Inserts available to meet NZBC Clause D1/AS1.



# Metal Detailing

Elevate your design with sleek and durable metal trims. These precision-crafted accents seamlessly blend style and functionality. Add a touch of modern sophistication while protecting the edges of your beautiful wood finishes.



# Floor Build-up Guides

Our unique and user-friendly floor build-up guides allow you to choose the complete subfloor solution for your timber floor. Combining high performance products with low environmental impact and delivering quality without compromise, our products overcome build challenges, saving time and speeding up your build. Simply make your selection from the options on our website and you'll receive full details of the complete sub-floor build-up you need to support your project.

Systems can be found on our website here - [www.vidaspace.co.nz/flooring-systems](http://www.vidaspace.co.nz/flooring-systems)

## Installation Guides + Accessories

- We recommend PurePlank timber floors are installed by an experienced timber floor installer, with certifications such as ATFA
- All PurePlank timber floors must be installed in accordance with either:
  - a. Our Glue Down Installation Guide - Engineered Wood Flooring (*Recommended*)
  - b. Our Floating Installation Guide - Engineered Wood Flooring (*5G profile only*)

All downloads can be found [here](http://www.vidaspace.co.nz/downloads-resources#Installation) - [www.vidaspace.co.nz/downloads-resources#Installation](http://www.vidaspace.co.nz/downloads-resources#Installation)

- All PurePlank timber floors must be installed in accordance with VidaSpace NZ Building Code Compliance Guide for Timber Flooring - Ver 004 - [Download here](#)
- If installing PurePlank on Walls or Ceilings it must be installed in accordance with our T&G Timber Installation Guide - Internal Walls & Ceilings - [Download Here](#)
- Specify the correct Flooring Installation products using our Masterspec Work Section 6312VS VidaSpace Timber Overlay Flooring System

Recommended Installation Products		Application
VSA0300	WoodClinic Wood Flooring Adhesive <i>High Performance Hybrid Polymer</i>	Flooring
VSA0301	WoodClinic Vapour Barrier <i>High Performance Concrete Vapour Barrier</i>	Flooring
VSA0106	WoodClinic Recycled Rubber Acoustic Underlay <i>High Performance Acoustic Underlay</i>	Flooring
HW150091	Kingley Silver Acoustic Underlay 3mm - 10m2	Floating Installation
VSA0900	Wagner Floor Sentry Data Logger	Flooring
HW100070	PurePlank Wall Clips	Walls + Ceilings
VSA0202	Rapid Cure Adhesive	Walls + Ceilings

## Care Guides + Accessories

Maintenance is necessary for this product's ongoing compliance. Please refer to the latest version of our VidaCare Guide for in-Depth cleaning and maintenance instructions that can be found here - [www.vidaspace.co.nz/downloads-resources#Care-Maintenance](http://www.vidaspace.co.nz/downloads-resources#Care-Maintenance)

Recommended Care Products	
Platinum Floor Care Kit Lacquer	Marldon Spare Mop Head
Marldon Multicleaner	Felt Furniture Feet
Advanced Cleaning Mop Kit	Wax Repair Kit - Light, Medium or Dark

All Care products can be purchased direct from our website - [www.vidaspace.co.nz/care-shop](http://www.vidaspace.co.nz/care-shop)

# Certification Information



**CE Marking:** CE Marking is a certification for products sold in the European Economic Area (EEA) that ensures they meet safety and environmental standards. It signifies compliance with EU regulations and allows free movement of goods within the EEA. Products displaying the CE Mark have undergone testing and conform to essential health, safety, and environmental protection requirements.



**FSC:** FSC, or Forest Stewardship Council, is an organization that promotes responsible forest management. FSC Certified indicates that a product can be sourced from FSC Certified forests to prove its commitment to sustainable and ethical wood sourcing.



**NZWTA – Imperviousness:** The New Zealand Wool Testing Authority (NZWTA) assesses the imperviousness of materials. This certification ensures that the material is resistant to the penetration of liquids, which can be crucial for applications where moisture resistance is essential.

# Healthy Building Certifications

With the third party sustainability and healthy product testing, these PurePlank products will contribute points towards achieving the following Healthy Building Certifications.

- Homestar
- Green Star
- Living Building Challenge
- Passive House



# Grading Criteria



## Classic Grade

- Classic Grade offers a well-balanced selection of wood planks.
- It has fewer and smaller knots than character grade but more than select grade.
- While there's some heartwood and color variation, it's generally more consistent in color across the batch.
- Checks, if any, are minimal, and any filler used is selected to blend nicely with the wood's appearance, ensuring some color consistency, even if minor variations can occur between batches.



## Character Grade

- Character Grade wood encompasses both the heartwood and sapwood of the tree.
- It allows a broader range of color variations.
- Knots are larger, and you should anticipate some checks.
- Filler is used, chosen to complement the wood rather than matching it exactly, and its color may vary between batches.



## Rustic Grade

- Rustic Grade, also known as natural grade, can have many knots of various sizes.
- You'll find heartwood and more noticeable color variations.
- Sapwood and filler are part of the package.
- Expect checks and the possibility of end shakes (cracks between the growth rings).
- The filler is carefully chosen to enhance the wood's look, even if it doesn't match it precisely, and its color may vary between batches.

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# Warranty & Life Expectancy

All VidaSpace products must be installed by a competent installer/contractor who has the necessary skills and experience and can take individual site circumstances into account. VidaSpace warranty will apply only to projects which have been installed, handled and maintained to industry best practice and New Zealand Building Code requirements. It is the responsibility of the specifier to determine the product is suitable and compliant for the application.

## PurePlank has a 5 Year Commercial Wear Resistance Warranty & a 20 Year Residential Wear Resistance Warranty.

These warranties are provided as a guideline, and actual performance can vary. The key to maximizing the lifespan of your engineered timber floor lies in proper maintenance, which may include regular cleaning, avoiding excessive moisture, using protective mats and furniture pads, and promptly addressing any damage or spills. Additionally, the quality of the installation plays a significant role in the long-term durability of the floor. The life expectancy of an engineered timber floor will be dependent on the level of foot traffic it receives. With the ability to refinish an engineered timber floor you can extend its overall lifespan.

If well-maintained and not subjected to unusually high levels of wear, it's reasonable to expect an engineered timber floor with a 2.5mm wear layer to last significantly longer than the warranty period.

### Not covered by warranty:

Telegraphing: When effects of uneven light reflection on the installed floor that cannot be measured or which are visible only under specific lighting or at a specific angle (visual inspection of the installed wood floor is carried out in a standing position under natural lighting conditions. The inspection of the wood laid floor should take place by observing the floor standing upright with natural light behind the observer and diffused light. An angled source of light, false light or direct light should not be used for the evaluation or to locate blemishes on the floor surface.

- Telegraphing caused by site conditions relating to humidity changes.
- Telegraphing caused by inappropriate maintenance

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# End of Life Options

The end-of-life options for PurePlank timber flooring depend on various factors, including the condition of the flooring, and environmental considerations. Here are some common options:

**Refinishing:** If your PurePlank timber flooring is still in good condition but has surface wear and tear or minor damage, refinishing can extend its life. This involves sanding the surface to remove the old finish and applying a new finish, which can rejuvenate the look of the floor.

**Recycling:** If your PurePlank timber flooring is no longer usable or cannot be reclaimed, it can be recycled. Timber can be ground down to create wood chips or used in particleboard or fiberboard production. Recycling helps reduce the demand for new timber and minimizes waste.

**Upcycling:** If the PurePlank timber flooring has some usable sections, consider upcycling it into smaller items. This reduces waste and gives the wood a new purpose.

When considering the end-of-life options for timber flooring, it's essential to prioritize sustainability and environmental responsibility. Refinishing and recycling are typically better options than disposal in a landfill or biomass energy generation. Additionally, local regulations and recycling facilities may vary, so it's a good idea to check with local authorities or recycling centers for guidance on the most suitable options in your area.

# NZBC Relevant Clauses

B2 Durability — B2.3.1 (c)

C3 Fire affecting areas beyond the fire source — C3.4 (b)

D1 Access Routes — D1.3.3 (d)

E3 Internal moisture — E3.3.3, E3.3.5, E3.3.6

F2 Hazardous building materials — F2.3.1

G6 Airborne and impact sound — G6.3.1, G6.3.2

## Contributions to NZBC Compliance

Category: Floor coverings	Use on access routes	Yes
	Use in areas with floor surface fire obligations	Yes
	Use in wet areas (not including bathrooms)	Yes
	Use in food preparation areas	Yes
	Part of a system for acoustic performance	Yes

### Clause: B2 Durability

B2.3.1 - Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

(c) 5 years if:

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

**Contribution to B2.3.1(c)(i) and (ii):** PurePlank has a 20 year wear resistance warranty for residential use and a 5 year wear resistance warranty for commercial use. Refer to the warranty documentation for further information. VidaSpace also provides and recommends a cleaning system range called WoodClinic.

### Clause: C3 Fire affecting areas beyond the fire source

C3.4 - Surface Linings

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

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

**Contribution to C3.4(a) and (b):** PurePlank has a Dfl-S1 reaction to fire rating and a CRF Rating of 4.2kW/m<sup>2</sup> which allows PurePlank to be used in most flooring applications. PurePlank has a rating of Group 3 but can achieve a Group 1-S rating for use on walls and ceilings when an intumescent coating is applied such as Zone 92.

## Clause: D1 Access Routes

D1.3.3 - Access routes shall:

(d) have adequate slip-resistant walking surfaces under all conditions of normal use

**Contribution to D1.3.3:** PurePlank has a PTV/SRV rating of 57/28 and can be used in areas where a rating of 57/28 or less is required. When combined with an appropriate nosing, PurePlank can be used in commercial stair applications. Refer to the stair design guide for further information.

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## Clause: E3 Internal moisture

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

E3.3.5 - Surfaces of building elements likely to be splashed or become contaminated in the course of the intended use of the building, must be impervious and easily cleaned.

E3.3.6 - 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.

**Contribution to E3.3.3, E3.3.5, E3.3.6:** PurePlank has a lacquer coating system that is impervious and easily cleaned. D4 PVA can be used in the joins 1.5m from sanitary fixtures and around the perimeter to show compliance to E3. Suitable for use in kitchens, laundries & powder rooms - refer to the E3 documentation (VidaSpace NZ Building Code Compliance Guide).

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## Clause: F2 Hazardous building materials

F2.3.1 - 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 material is exposed, or in the atmosphere of any space.

**Contribution to F2.3.1:** PurePlank is safe when handled, has no added formaldehyde, and achieves an E1 Formaldehyde Emission rating.

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## Clause: G6 Airborne and impact sound

G6.3.1 - The Sound Transmission Class of walls, floors and ceilings, shall be no less than 55.

G6.3.2 - The Impact Insulation Class of floors shall be no less than 55.

**Contribution to G6.3.1, G6.3.2:** PurePlank can be installed on acoustic underlay as a system suitable for multi-tenanted buildings. Refer to the build-up guide documents and Acoustic test documents. VidaSpace recommends our WoodClinic Recycled Rubber Acoustic Underlay which helps exceed STC55 and IIC55



# Scope of Use

## PurePlank:

- Is suitable for use as an interior floor, wall & ceiling covering.
- Is suitable for high-traffic areas.
- Is suitable for use with underfloor heating systems.
- Is suitable for use in wet areas such as kitchens and laundries.
- Is suitable for use in both residential and commercial applications.
- Has a critical radiant flux of 4.2kW/m<sup>2</sup> making it suitable for use in all buildings and areas of those buildings areas with C 3.4 (b) obligations.
- Is suitable for providing additional sound reduction for floors with adjoining tenancies if installed as part of an acoustic system using WoodClinic Recycled Rubber Acoustic Underlay.

# Conditions of Use

## PurePlank:

- Is not recommended for use in wet areas such as bathrooms.
- Is not suitable for exterior use.
- Is expected to change colour with UV exposure, this is not considered a defect but a natural occurrence in all timber products. Blinds, UV films or glazings can be used to mitigate the risk.
- Must be installed in accordance with VidaSpace installation guidelines.
- Can't be installed on concrete substrates with a relative humidity of more than 65% or subject to rising damp, without a suitable Vapour barrier.
- Must be acclimatised to reach equilibrium with the area that it is to be installed.
- WoodClinic™ Systems are the recommended accessories used for installation. *(Refer to page 9)*
- Requires a professional for installation, please refer to the trusted installer network link.
- To achieve the STC/IIC of 55 PurePlank must be installed in accordance with the acoustic system, outlined in the floor build-up documentation. WoodClinic Recycled Rubber Acoustic Underlay is the recommended underlay to be used.
- Must be cleaned and maintained in accordance with the VidaCare Guide.

# Supporting Documentation

The following additional documentation supports the above statements:

- NZWTA Test Report for UV Lacquered Tongue & Groove Timber Flooring
- NZWTA Test Report for UV Lacquered 5G Click System Timber Flooring
- Glue Down Installation Guide - Engineered Timber Flooring
- Floating Installation Guide - Engineered Timber Flooring
- T&G Timber Installation Guide - Internal Walls & Ceilings
- VidaCare Guide
- CE Test Report
- WoodClinic Floor Build Up Guides
- Technical Data Sheets - Accessories
- VidaSpace NZ Building Code Compliance Guide (Including E3)
- Stair Design Guide
- Taber Test
- Fire Test Reports
- Acoustic Test Report

Downloads can be found here - [www.vidaspace.co.nz/downloads-resources](http://www.vidaspace.co.nz/downloads-resources)

# Warnings and bans

**Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?**

No

# Contact Details

For further Product or Technical Support please contact VidaSpace using the methods below.

Manufacture location	Poland
Legal and trading name of Manufacturer	Havwoods Ltd
Legal and trading name of Importer	VidaSpace Ltd
Importer address for service	20 Roe St, Levin 5571, New Zealand
Importer website	vidaspace.co.nz
Importer email	hello@vidaspace.co.nz
Importer phone number	0800 119 388
Importer NZBN	9429041788349

# Declaration

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

© This BPIR technical data sheet was written by VidaSpace Limited. 20 Roe St, Levin, 5571, New Zealand and updated in Dec 2023.

Please ensure that you are using the latest publication by contacting VidaSpace or downloading the latest document from the Downloads or product page on [www.vidaspace.co.nz](http://www.vidaspace.co.nz).

At the time of writing and publication of the sheet, all information is specified correctly.

The company reserves the right to change the specifications of this product at any time without prior notice to third parties.

The photographs used in this sheet are intended only as illustrations. No rights can be derived from them.

Signed by:

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Technical Product Manager  
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Matt Stewart  
Signature

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