



# WoodClinic<sup>TM</sup>

Wood Floor Adhesive  
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:** WoodClinic Wood Floor Adhesive

**Country of Origin:** Australia

### Product Description:

WoodClinic™ Wood Floor Adhesive is a premium adhesive for permanent bonding of timber flooring systems to most common subfloor types. WoodClinic™ Floor Adhesive is an easy trowel formula and non-slumping, providing a consistent void fill between the subfloor and the flooring system.

WoodClinic™ Wood Floor Adhesive is solvent and isocyanate free, meeting all the requirements of Greenstar and low VOC adhesives. Suitable for bonding most timber flooring systems including solid timber, plank strips, parquet, wood blocks, engineered timber, acrylic-impregnated timber and plywood. Approved for bonding to concrete, timber, plywood, cement screeds, cement sheet, moisture barriers, radiant heating, and Hebel subfloors. Also suitable for installation over steel and aluminium subfloors – it is recommended to solvent-clean steel subfloors before application of the adhesive.

## Product Details

Product Type	Wood Floor Adhesive
Size	15kg
Coverage Rates	Up to 17m2 Coverage (see table below)
Working Time:	40 Minutes
Warranty	10 Years
Origin	Australia

## Technical Details

Adhesive Polymer	Single Part Hybrid Polymer
Tensile Strength	1.57 N/mm2
Shore A Hardness	37 ±
Elongation at Break	280%
VOC Content	< 10g / liter
Tack Free Time	30-45 minutes
Working Time	40 minutes (20°C at 50% R.H.)
Shelf Life	12 months (unopened)
Storage	Store in a dry place between 5°C and 30°C

## Estimated Coverage Rates

3mm x 3mm V Notch Trowel	16-17m2 per pail
4mm x 4mm V Notch Trowel	13-14m2 per pail
5mm x 5mm V Notch Trowel	9-10m2 per pail
6mm x 6mm V Notch Trowel	7-8m2 per pail

# Installation Guide

- We recommend WoodClinic Wood Floor Adhesive is installed by an experienced timber floor installer, with certifications such as ATFA
- All WoodClinic Wood Floor Adhesive must be installed in accordance with our Guide below and printed on the packaging.

## Suitable Applications:

WoodClinic Wood Flooring Adhesive is suitable for bonding most timber flooring systems to concrete, plywood, cured leveling compound, epoxy membranes, particle board and radiant heated subfloors.

## Subfloor Preparation:

- Ensure the subfloor surface is structurally sound, flat, smooth, clean, with no indentations and anti-adherents.
- Subfloor must be free of dust, dirt, grease, wax, loose paint, oil, sealers of any type, curing compounds, bond breakers, asphaltic residue, liquid adhesive remover, strippers, chemicals, or any other foreign substances that can potentially affect bonding. Cleaning the subfloor of loose particles with an industrial vacuum cleaner is recommended.
- If direct applying the adhesive to the subfloor, it must be flat to maximum 3mm over 3 meters, otherwise it will increase the risk of hollow spots and poor adhesion under the timber flooring. Any existing coating or adhesives must be completely removed. Mechanical treatment (e.g. shot blasting, grinding or sanding) may be required to achieve subfloor conditions mentioned above.
- It is recommended to assess slab moisture. If the slab is more than 5% moisture content measured with a concrete impedance moisture meter or more than 65% in-slab relative humidity, then additional means of protecting the floor from slab moisture is needed. Please discuss technical requirements with a WoodClinic consultant for any floors with high moisture or relative humidity readings
- For use over particleboard, all surfaces should be rough sanded, including sanding flat all joints. Ensure the surface is clean, dry, sound and does not squeak prior to laying the timber flooring.
- For use over clean plywood all joints should be sanded flat. Ensure the surface is clean, dry, sound and does not squeak prior to laying the timber flooring.
- Radiant heated subfloors should be turned off 24 hours prior to and during installation to prevent premature curing of the adhesive.
- Recommended air temperature during floor installation – between 10°C – 35°C and relative humidity between 40% and 80%, subject to the requirements specified in the flooring installation requirements.

## Adhesive Application:

- Remove the lid and remove the foil liner. Once open, the entire contents of the pail should be used within a short period of time.
- Spread the adhesive with the proper notched trowel, apply uniformly on the subfloor. Avoid adhesive pools and excessive adhesive.
- Floor installation is by a full adhesive bed and to the flooring manufacturer's instructions.
- Place the timber on the adhesive within the 40-minute working time, correctly position and press down firmly or tap with a rubber hammer to ensure good overall contact.
- Ensure 100% adhesive contact to the board is achieved for proper bonding to the floor and for full moisture vapour protection.
- Place heavy objects to hold the flooring firmly in place during the curing time.
- When installing near a solid object or wall, leave the necessary room for expansion as outlined in the timber system guide. Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure.
- If wedges or weights have been used during the installation to hold wood in place while adhesive dries, remove wedges after initial setting of the adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the subfloor.
- Restrict foot traffic for 12 hours. Wait 24 hours before sanding.
- Uncured adhesive can be removed from prefinished flooring with a damp rag or cleaning wipes. Do not use unapproved cleaning agents on prefinished timber surfaces.
- Clean tools and equipment immediately after use with a suitable solvent such as white spirits or mineral turpentine. Cured adhesive will need to be mechanically removed.

## Trowel Recommendations:

- For adhesive-only performance, a 4mm or 5mm V notch trowel is suitable for most flooring systems on both concrete-to-timber and timber-to-timber applications. Using a 3mm V Notch may be required for finger block parquetry.
- Moisture Barrier: for concrete to timber applications where moisture barrier properties are required, a 5 x 5mm consistent V-notched trowel should be used. Adhesive consumption with a 5 x 5mm consistent V notch trowel is approximately 9m<sup>2</sup> per pail. Important: when trowelling, 100% adhesive subfloor coverage is required to ensure moisture protection.

## Product Limitations:

- Do not use on wet, dusty, contaminated, or friable substrates.
- Do not dilute the adhesive.
- Resistant only to the following: water, dilute acids, diluted caustic solutions, temporarily resistant to fuel, animal fats and oils, not resistant to organic acids, concentrated caustic solutions.
- Will not prevent damage to wood flooring induced by excessive moisture transmission due to environmental factors like water leaks.

## Health & Safety:

Health and Safety: Keep out of reach of children. Contains aminosilane. May produce an allergic reaction. Safety data sheet available on request. Users must first read the Safety Data Sheet. Users should familiarize themselves with all the safety aspects of the product prior to usage.

## Product Disclaimer:

Since the use and application of this product is beyond our control, WoodClinic cannot be held responsible for product field performance if all application recommendations are not adhered to. The information presented above is the result of our considerable experience with this product but is not to be construed as a performance warranty. In any cases of possible concern it is recommended that the customer conducts their own testing and accordingly determine, to their satisfaction, its suitability for their purpose under the operating conditions in which they will use the product/s.

For additional information, phone customer support on 0800 119 388 or email [info@vidaspace.co.nz](mailto:info@vidaspace.co.nz)

# 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)

# 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.

## WoodClinic Wood Floor Adhesive has a 10 Year Warranty.

These warranties are provided as a guideline, and actual performance can vary. The key to maximizing the lifespan of your WoodClinic Wood Floor Adhesive Product lies in the proper preparation & application, the quality of the installation plays a significant role in the long-term durability of all products involved in the build up.

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# NZBC Relevant Clauses

B2 Durability — B2.3.1 (b)(i)

E3 Internal moisture — E3.3.3

F2 Hazardous building materials — F2.3.1

G6 Airborne and impact sound — G6.3.1

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## Contributions to NZBC Compliance

### 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:

(a) 15 years if:

- (i) those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace,

**Contribution to B2.3.1(a)(i):** WoodClinic™ Wood Floor Adhesive has a 10 year warranty.

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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

**Contribution to E3.3.3:** WoodClinic™ Wood Floor Adhesive can be used as part of a system in conjunction with VidaSpace engineered timber flooring to show compliance with E3. Refer to our VidaSpace NZ Building Code Compliance Guide (Including E3)

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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:** WoodClinic™ Wood Floor Adhesive meets requirements for a low VOC adhesive

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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.

**Contribution to G6.3.1:** WoodClinic™ Wood Floor Adhesive can be used as part of a system suitable for multi-tenanted buildings. Refer to the build-up guide documents and Acoustic test documents.

## Supporting Documentation

The following additional documentation supports the above statements:

- Floor Build Up Guides
- Acoustic Tests
- VidaSpace Warranty
- VidaSpace NZ Building Code Guide (Including E3)
- WoodClinic Vapour Barrier BPIR Technical Statement
- WoodClinic Recycled Rubber Acoustic Underlay BPIR Technical Statement

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

# Scope of Use

## WoodClinic Wood Floor Adhesive:

- Is designed for direct fix engineered timber floor installation.
- Is suitable to be applied directly over concrete and timber substrates.
- Is suitable to be applied over WoodClinic™ Vapour barrier.
- Is suitable to be applied directly over floor levelling compounds.
- Is suitable for use in both residential and commercial settings.
- Is suitable for use in wet areas with specific floor coverings.
- Is suitable for high-traffic areas.

# Conditions of Use

## WoodClinic Wood Floor Adhesive:

- Is suitable for use on substrates that are structurally sound, flat, smooth, clean with no indentations and anti-adherents.
- Is suitable for use on substrates that are free of dust, dirt, grease, wax, loose paint or any other foreign substances that can potentially affect bonding.
- Is suitable for use on concrete substrates that are below 65% relative humidity. If the substrate's RH is higher, WoodClinic™ Vapour Barrier can be applied to the substrate.
- Has a working time of 40 minutes.
- Has an application temperature of +10°C to +35°C.
- May require mechanical grinding of substrates to ensure adhesion.
- Do not dilute WoodClinic™ Wood Floor Adhesive.

## Contact Details

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

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

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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:

**Matt Stewart,**  
Technical Product Manager  
VidaSpace Ltd

Matt Stewart  
Signature

**Jimmy Simmons,**  
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