



WoodClinic™

Recycled Rubber Acoustic Underlay

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 Recycled Rubber Acoustic Underlay

Country of Origin: UAE

Product Description:

WoodClinic™ Recycled Rubber Acoustic Underlay is an acoustic-rated underlayment designed to reduce noise transfer within the building structure. Constructed using elastomeric rubber mat with recycled rubber components it is ideal for commercial, industrial and residential applications to reduce the sound transmission between floors.

WoodClinic™ Recycled Rubber Acoustic Underlay is suitable for use in conjunction with engineered timber flooring, ceramic tiles, marble tiles and floor leveling compounds.

WoodClinic™ Recycled Rubber Acoustic Underlay is available in a roll 5mm thick, 1.1m wide and 10m long.

Benefits:

- Reduces transmission of impact sound
- Helps to protect screed from cracking
- Provides support for floor finishing
- Adds softness to the flooring
- Environmentally friendly
- Long lifespan

Features:

- Excellent acoustic properties
- Excellent thermal properties
- High mechanical strength
- Does not absorb water
- Fiber and dust free
- Resistant to bacteria, mold, and fungi growth

Applications:

- Gyms, clubs and dancing floors
- Hotels, offices and medical facilities
- Recording studios and movie theaters
- Industrial buildings
- Residential, commercial, and high-rise buildings

Product Details

Material	Elastomeric Rubber Mat with Recycled Rubber Content
Width	1.1m
Length	10m
Thickness	5mm
Surface Area	11m ²
Warranty	10 Years
Origin	UAE

Technical Details

	Test	Technical Properties
Density		700-750 kg/m3
Width Tolerance		±20 mm tolerance
Length Tolerance		±50 mm tolerance
Thickness tolerance		≤5 mm ±0.3 mm
Dynamic stiffness		73 MN/m3 (for 3 mm)
Maximum load		3000 kg/m3
Tensile strength at peak load	ASTM D751	3.48 kg/cm2
Elongation break	ASTM D751	47.5%
Tear strength	ASTM D624	8.4 N/mm
Compressibility	ASTM F3616	93.7%
Compression set	ASTM D 3575-14	29.01%
Hardness, Shore A	ASTM D2240	65-69
Rolling load	EN 985	Pass (at 500 cycles)
Puncture testing	ASTM F924	91.44 cm
Temperature range		-30°C to +85°C
Thermal conductivity at 23°C	ASTM C518	0.106 W/mK
Water absorption	JIS K 6767	0.009 g/cm2
Resistance to fungi	ASTM G21	Zero growth
Resistance to bacteria	ISO 22196	Zero growth
VOC (emission rate - 24 hours)	ASTM D5116	<160 ug/m2/hr
Ozone Depletion Potential		0
Global Warming Potential		<5
CFC & HCFC, dust, fibres & asbestos		Free
Recycled content		Yes
STC Rating	ASTM E90 AND ASTM E49	60
IIC Rating	ASTM E90 AND ASTM E49	64
HIIC Rating	ASTM E90 AND ASTM E49	70

Installation Guide

- We recommend WoodClinic™ Recycled Rubber Acoustic Underlay is installed by an experienced timber floor installer, with certifications such as ATFA
- All WoodClinic™ Recycled Rubber Acoustic Underlay must be installed in accordance with our Guide below.

Suggested Tools List

- Sharp knife
- Standard measuring tape
- Tape
- Adhesive
- Marker pen
- Notched trowel

Storage & Handling

- Carefully unload the material to avoid damages. Dropping, throwing or dragging the material on the ground can result in damages of outer layers and edges.
- Store horizontally on the ground to avoid damaging the edges.
- Store indoor in a clean, dry and smooth surface, away from direct sunlight at 0-35 °C.
- Keep the material in its original packaging until cutting/installation takes place to ensure all surfaces remain clean and free from dust/moisture surfaces remain clean and free from dust/moisture.
- Inspect for visual defects before the installation. No labor claim will be honored on material installed with visual defects. Any discrepancies must be reported immediately before beginning installation.
- Do not expose to any source of flame or intense heat.

Preparation of Installation Area

- Before beginning the installation, all areas to be applied with WoodClinic Recycled Rubber Acoustic Underlay should be weather tight and have a constant temperature before during & after Installation.
- Subfloor should be smooth and free of defects, cracks or moving joints to prevent transmission to flooring.
- All concrete, masonry framing membranes, drywall paint or other wet works should be thoroughly cured and dry.
- The base floor must be clean (free from loose dirt and concrete dust), flat and where possible, dry.
- Any type of floor drain, piping conduit and duct penetrations should be covered properly.

Installation

- Remove the underlay from the shrink-wrap and unroll it onto the floor.
- Using a chalk line make a line perpendicular to the longest wall in the room and establish a straight point of reference for the installation of the acoustic underlay.
- Lay the underlay on the floor in a way that will maximise the use.
- Cut the first line of underlay to the required lengths using a sharp knife and a straight edge.
- Place the acoustic underlay along the chalk line. Trim ends if required.
- Roll back underlay and apply woodclinic adhesive to the substrate using 3mm V notch trowel and roll the underlay back out into the adhesive, ensuring full coverage. Use a 50kg roller to set into the adhesive and weight down any corners or edges that aren't in full contact with adhesive
- Cut the next line of underlay, place it adjacent to the first line, and trim it.
- Repeat until entire floor surface is covered with the acoustic underlay.
- Once all above mentioned points are completed you can proceed with the application of your selected VidaSpace engineered timber flooring.
- Do not use mechanical fasteners through the Acoustic Underlay as this might effect the noise transmission.

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

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™ Recycled Rubber Acoustic Underlay 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™ Recycled Rubber Acoustic Underlay 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.

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

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™ Recycled Rubber Acoustic Underlay has a 10 year warranty.

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™ Recycled Rubber Acoustic Underlay can be used as part of a system in conjunction with WoodClinic™ Wood Floor Adhesive, WoodClinic Vapour Barrier and VidaSpace engineered timber flooring to show compliance with E3. Refer to our VidaSpace NZ Building Code Compliance Guide (Including E3)

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™ Recycled Rubber Acoustic Underlay is safe when handled and meets requirements for VOCs.

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, G6.3.2: WoodClinic™ Recycled Rubber Acoustic Underlay can be installed as part of a system suitable for multi-tenanted buildings. Refer to the build-up guide documents and Acoustic test documents. WoodClinic Recycled Rubber Acoustic Underlay helps exceed STC55 and IIC55

Supporting Documentation

The following additional documentation supports the above statements:

- Floor Build Up Guides
- VidaSpace Warranty
- VidaSpace NZ Building Code Guide (Including E3)
- WoodClinic Wood Floor Adhesive BPIR Technical Statement
- WoodClinic Vapour Barrier BPIR Technical Statement

Downloads can be found here - 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™ Recycled Rubber Acoustic Underlay:

- Is able to be installed directly over concrete and timber substrates.
- Is able to be installed directly over floor levelling compounds.
- Is suitable for use in structures where reduction of sound transmission between floors is required.
- 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™ Recycled Rubber Acoustic Underlay:

- Is designed to be used in conjunction with an appropriate adhesive. We recommend WoodClinic Wood Floor Adhesive.
- Has a temperature range of -30°C to 85°C.
- Has a max load of 3000kg.

Contact Details

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

Contract Manufacture location	UAE
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.

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

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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.

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Signed by:

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