

PHONESTAR TRI

PURPOSE

PhoneStar Tri boards are supplied by Woodland Lifestyle. The PhoneStar Tri boards will reduce both airborne and impact sound transmission and add thermal mass to timber or steel-framed or concrete structures. The boards can be used:

- as a sound insulating flooring underlay
- as a sound insulating wall panel or ceiling panel.

EXPLANATION

PhoneStar Tri boards are constructed from eco-friendly materials, corrugated cardboard filled with quartz sand, and are designed to be self-supporting sound insulation boards.

The boards are 1200 mm x 800 mm and are 15 mm thick.

PhoneStar Tri is a substrate/underlay board. For floor applications, PhoneStar Tri must be overlaid with a suitable flooring system (not limited to) including tongue and groove engineered timber, ceramic tile, laminate, carpet or vinyl. For wall or ceiling applications, it must be covered with plasterboard.

PhoneStar Tri can be installed in conjunction with an underfloor Wolf Power Floor pipe heating system.

System accessories include the following: PhoneStar tape, Woodland approved adhesives, acoustic sealant, Woodland isolation strip, Woodland Decoupling Plate and Woodland Decoupling Fleece.



For further assistance, please contact:

- ☎ 09 308 7948
- ✉ hello@woodlandlifestyle.co.nz
- 🌐 woodlandlifestyle.co.nz

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Building	
In conjunction with a primary structure that complies with the NZ Building Code or where the designer has established that the existing structure is suitable for the intended building work.	
Over a concrete, timber, CLT or lightweight steel frame, specified and constructed in accordance with the NZ Building Code.	
As a sound insulating flooring underlay.	<ul style="list-style-type: none"> ➤ Installation of PhoneStar Tri must be in accordance with the system assembly specified by the supplier and in conjunction with Wolf and Woodland system accessories and components. ➤ Where installed over framing and a flooring substrate, the assembly must include a 1.4 mm base layer of decoupling fleece. Decoupling fleece may be used as a decoupling layer between a concrete substrate and the PhoneStar Tri for improved performance. ➤ Two layers of PhoneStar Tri may be used for improved performance. ➤ Where the flooring system requires adhesion, the assembly must include a 4 mm decoupling plate. ➤ All specified expansion gaps must be filled with an acoustic sealant. ➤ PhoneStar Tri must be covered by a suitable and compatible flooring system such as tongue and groove engineered timber, ceramic tile, laminate, carpet, or vinyl. ➤ Where C3.4(b) applies the PhoneStar Tri must be covered with a material meeting the applicable radiant flux requirements. ➤ Where Clause E3 applies, PhoneStar Tri must be covered by a compliant and compatible waterproof system.
As a sound insulating wall panel or ceiling panel.	<ul style="list-style-type: none"> ➤ Installation of PhoneStar Tri must be in accordance with the system assembly specified by the supplier and in conjunction with Wolf and Woodland system accessories and components. ➤ PhoneStar Tri must be direct-fixed to timber framing or fixed to a channel or batten and channel to separate the acoustic layer from the wall or ceiling. ➤ All specified gaps must be filled with an acoustic sealant. ➤ PhoneStar Tri must be covered with an appropriate wall or ceiling lining e.g. plasterboard. ➤ Where C3.4(a) applies the PhoneStar Tri must be covered with a material meeting the applicable material group number.

CONDITIONS OF USE

Where substitutions to the system assembly specified by the supplier are proposed, the design must be subject to review by an Acoustic Engineer to ensure acoustic performance is not diminished.

USEFUL INFORMATION

For design, installation and maintenance information, refer to woodlandlifestyle.co.nz.

PERFORMANCE CLAIMS

If designed, installed and maintained in accordance with all Woodland Lifestyle Ltd requirements, PhoneStar Tri will comply with or contribute to compliance with the following performance claims:

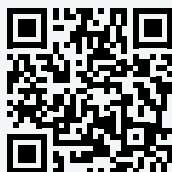
NZ Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 STRUCTURE B1.3.1, B1.3.2, B1.3.3 (a, b, j, l, m, r), B1.3.4	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> CE approved under European Technical Assessment ETA 20/0371, issued for the use of PhoneStar Tri as a soundproofing board in accordance with regulation EU No 305/2011 and tested in accordance with EN 826 for compressive strength, EN 520 for flexural strength and pressure resistance to EAD 210134-00-1202 [Kiwa Nederland B.V., 11/04/2023].
B2 DURABILITY B2.3.1 (c), B2.3.2 (b)	ACCEPTABLE SOLUTION B2/AS1	<ul style="list-style-type: none"> Componentry materials readily replaceable and in accordance with Table 20 of Acceptable Solution E2/AS1, Section 4 of NZS 3604:2011, and Table 1 of Acceptable Solution B2/AS1.
F2 HAZARDOUS BUILDING MATERIALS F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> Materials are inert and adhesive is inert once dry. Use in accordance with supplier's safety instructions. CE approved under European Technical Assessment ETA No 20/0371, issued for the use of PhoneStar Tri as a soundproofing board in accordance with regulation EU No 305/2011 [Kiwa Nederland B.V., 11/04/2023].
G6 AIRBORNE AND IMPACT SOUND G6.3.1, G6.3.2	VERIFICATION METHOD G6/VM1	<ul style="list-style-type: none"> Floor assemblies tested to ISO 10140-2 and rated in accordance with ASTM E413, achieving 64 dB and 68 dB for vinyl and ceramic tiles respectively [The University of Auckland Acoustics Testing Service, 24/10/2023]. Floor assemblies tested to ISO 10140-3 and rated in accordance with ASTM E989, achieving 56 dB and 60 dB for vinyl and ceramic tiles respectively [The University of Auckland Acoustics Testing Service, 17/10/2023]. Wall assemblies tested in accordance with EN ISO 10140.1 and .2 and EN ISO 717.1 and BS EN ISO 140.3 [IFT Rosenheim, 25/06/2013; SRL, 28/05/2008]. CE approved under European Technical Assessment ETA No 20/0371, issued for the use of PhoneStar Tri as a soundproofing board in accordance with regulation EU No 305/2011 and tested in accordance with EN ISO 10140-2 for airborne sound insulation and EN ISO 10140-3 for impact sound [Kiwa Nederland B.V., 11/04/2023]. Design in accordance with H1/VM1 (where applicable). CE approved under European Technical Assessment ETA No 20/0371 in accordance with regulation EU No 305/2011; thermal conductivity ≤ 0.17 W/(m-k) in accordance with EN 12664 and U-values calculated in accordance with EN ISO 6946 for specified assemblies [Kiwa Nederland B.V., 11/04/2023].
H1 ENERGY EFFICIENCY	VERIFICATION METHOD H1/VM1	<ul style="list-style-type: none"> Design in accordance with H1/VM1 (where applicable). CE approved under European Technical Assessment ETA No 20/0371 in accordance with regulation EU No 305/2011; thermal conductivity ≤ 0.17 W/(m-k) in accordance with EN 12664 and U-values calculated in accordance with EN ISO 6946 for specified assemblies [Kiwa Nederland B.V., 11/04/2023].

SOURCES OF INFORMATION

- The University of Auckland Acoustics Testing Service. [24/10/2023] *Laboratory measurement of sound insulation of a flooring system*. Report T2321-10.
- The University of Auckland Acoustics Testing Service. [17/10/2023] *Laboratory measurement of sound insulation of a flooring system*. Report T2321-2.
- IFT Rosenheim. [25/06/2013] *Airborne sound insulation of walls*. Test report no 13-000980-PR01 (PB V05-F02-04-de-01).
- SRL. [28/05/2008] *Technical Report*. Report Number C/07/5L/20098/R02.
- Kiwa Nederland B.V. [11/04/2023] European Technical Assessment ETA 20/0371.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

woodlandlifestyle.co.nz



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Woodland Lifestyle Ltd confirms that if PhoneStar Tri is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 25/03/2024

Date of current issue: 23/05/2024

NZBN: 9429046834164

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Woodland Lifestyle Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

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Woodland Lifestyle, 3 Wilson Road, Upper Moutere 7175 > hello@woodlandlifestyle.co.nz > 09 308 7948 > woodlandlifestyle.co.nz

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