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PART E - PCT SOLUTION

PhonoDeck® 24

Product Datasheet

PhonoDeck® 24 boards offer a high performance impact and airborne noise reduction floating floor solution. In addition, they are ideal for refurbishments and can be laid directly on top of sub-floors for additional height.

PhonoDeck® 24 is ideal for use in refurbishment and conversion applications where privacy and comfort are important. PhonoDeck® 24 acoustic overlay floorboard provide both an easy and convenient method to reduce airborne noise and impact sound transmission through new and existing floors. These PhonoDeck® composite overlays provide optimal performance, improving the performance of an existing structural timber decked floor. PhonoDeck® is suitable for use in offices, hotels, building extensions, renovations and loft conversions where there is a requirement to improve sound insulation within a property to help comply with building regulations or generally to reduce sound.

Each PhonoDeck® acoustic overlay floorboard has a combination of a tongue & groove high density timber floorboard with a low resonance and flexible recycled reconstituted resilient chipfoam under-layer. Complies with **Part E** of Building Regulations.

High performance, versatile acoustic floating flooring system.

Acoustic Ratings For: CS SJ TJ

Key Features

- 100% recycled resilient layer.
- Resilient overlay board.
- Superior impact noise reduction.
- Excellent airborne sound reduction.
- Quick and easy to install.
- Sourced and manufactured in the UK.

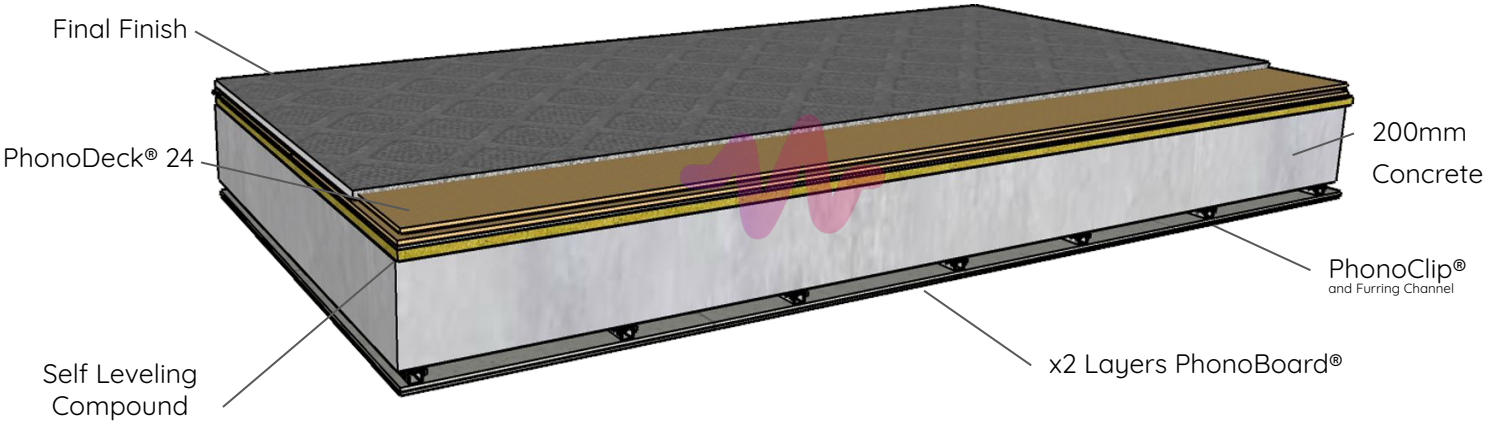
Product	Airborne	Impact	Weight	Weight m2	Pallet Quantity
PhonoDeck® 24 2400 x 600 x 24mm	58dB	46dB	16.1kg	11.2kg	50

Values quoted are typical and based on the treatment being installed correctly and pre-completion tested (PCT). Performance figures shown are for indicative purposes only. For technical advice please contact Acuphon's technical support.

SpecifiedBy FSC MADE IN BRITAIN ISO 9001 2015 CERTIFIED

PhonoDeck® Applications and their Typical Acoustic Performance.

Concrete Slab CS

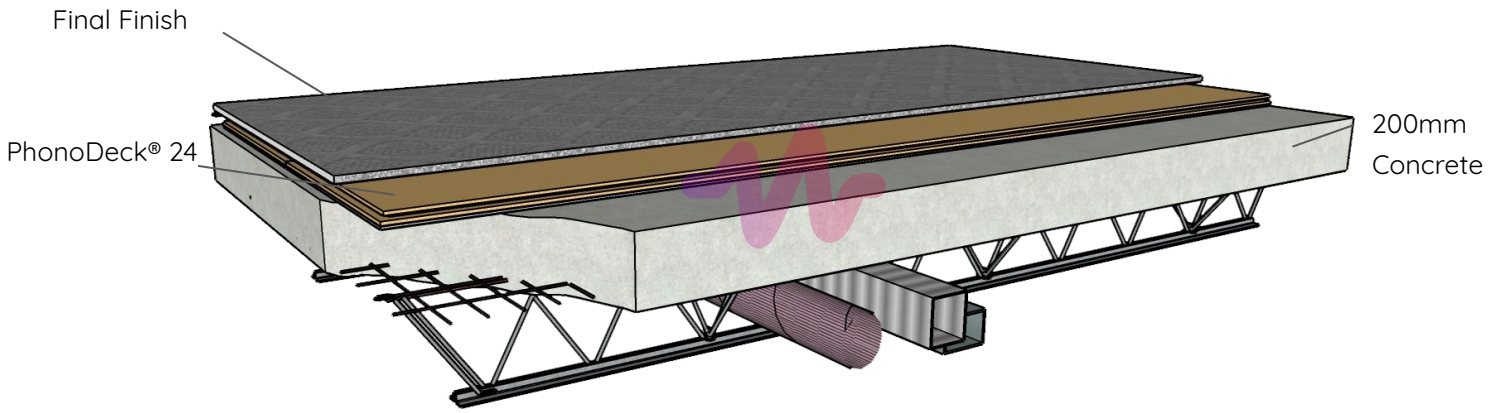


Acoustic Performance

DnT,w Weighted airborne value	DnT,w + Ctr Weighted airborne value + Ctr	LnT,w Impact sound performance	ΔLw Impact noise improvement
58dB	51dB	46dB	21dB

Results based on PhonoDeck 24 being laid onto a concrete platform with a suitable ceiling treatment (as shown) and all flanking paths removed. Performance figures shown are for indicative purposes only. For technical advice please contact Acuphon's technical support.

Concrete Slab CS



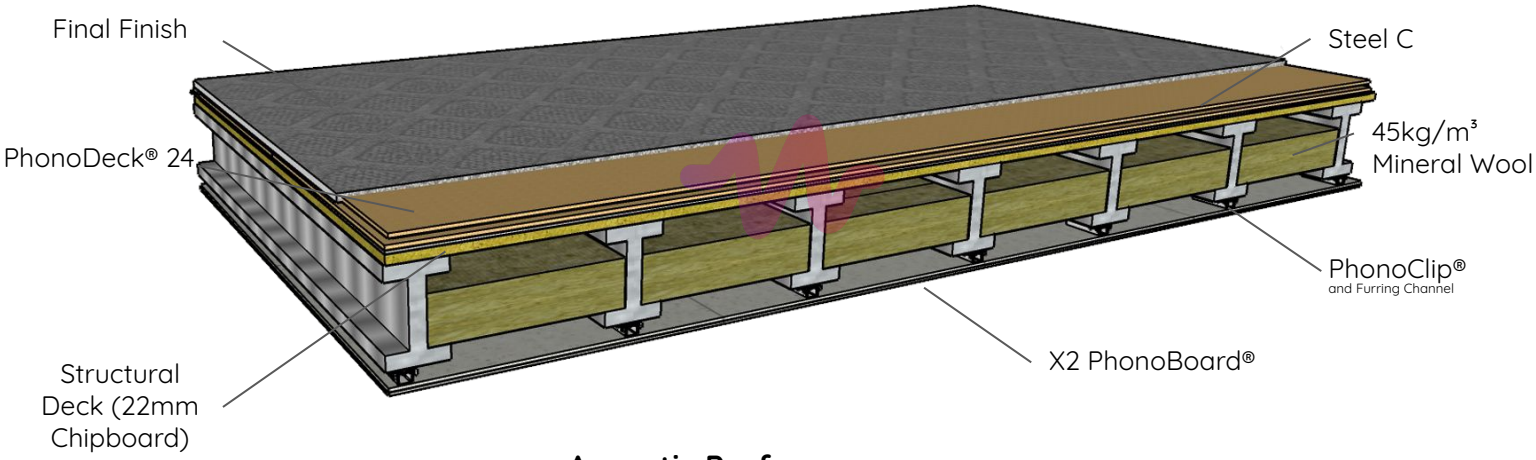
Acoustic Performance

DnT,w Weighted airborne value	DnT,w + Ctr Weighted airborne value + Ctr	LnT,w Impact sound performance	ΔLw Impact noise improvement
54dB	47dB	48dB	21dB

Results based on PhonoDeck 24 being laid onto a 200mm concrete platform (as shown) and all flanking paths removed. Performance figures shown are for indicative purposes only. For technical advice please contact Acuphon's technical support.

PhonoDeck® Applications and their Typical Acoustic Performance.

Steel Joist SJ

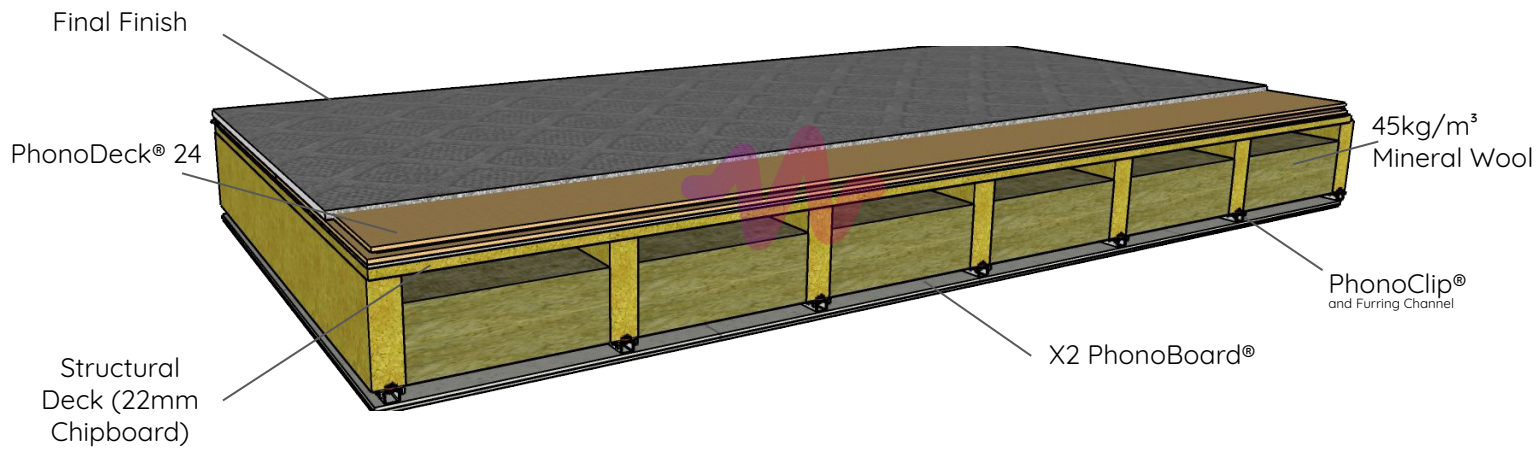


Acoustic Performance

DnT,w Weighted airborne value	DnT,w + Ctr Weighted airborne value + Ctr	LnT,w Impact sound performance	ΔLw Impact noise improvement
56dB	49dB	53dB	21dB

Approved Document E: PhonoDeck 24 laid onto joists with 100mm 45 kg/m³ mineral fibre laid continuously between 225mm x 50mm timber joists. Resilient Bars to be directly fixed to the ceiling joists to support 2 layers of PhonoBoard® (60 mins Fire Rated) and all flanking paths removed.. For technical advice please contact Acuphon's technical support.

Timber Joisted TJ



Acoustic Performance

DnT,w Weighted airborne value	DnT,w + Ctr Weighted airborne value + Ctr	LnT,w Impact sound performance	ΔLw Impact noise improvement
56dB	49dB	53dB	21dB

Approved Document E: PhonoDeck 24 laid onto joists with 100mm 45 kg/m³ mineral fibre laid continuously between 225mm x 50mm timber joists. Resilient Bars to be directly fixed to the ceiling joists to support 2 layers of PhonoBoard® (60 mins Fire Rated) and all flanking paths removed.. For technical advice please contact Acuphon's technical support.

Fire Performance

PhonoDeck® 24 will not add significantly to any existing fire hazard when properly installed.

Installation Guide

1. Ensure that the work area is level and clear of all debris.
2. Use a layout plan of conventional broken bond pattern and avoid any cut panels less than 150mm. In all rooms that the panels are to be installed, the correct perimeter details should be taken into account.
3. Install the floating floor panels soft side down.
4. All tongue and groove joints need to be adhered using the PhonoBond Joint Adhesive when using:
    - PhonoDeck® 24.
    - PhonoDeck® Tri35s.
5. At No point must any mechanical fixings be used.
6. Neatly press Phono Perimeter Strip into all perimeter gaps forming an airtight seal.
7. Place 2-3mm thick packers along the top of the PhonoDeck® floating floor system, around the perimeter only where skirting board is to be installed.
8. The skirting board should be set, sitting directly on top of the packers keeping it raised 2 – 3mm above the panels.
9. Remove packers when skirting board is fixed soundly in place and add PhonoSeal Acoustic Sealant to the previously set 2 - 3mm gap.
10. When using PhonoDeck®24 floating floor system directly over joists it is IMPORTANT that you ensure all joist centres are of adequate spacing to support the PhonoDeck® floor. The use of joist noggins or lateral struts may be necessary to ensure all joists are stiff and firm. By doing so replaces the original joist stiffness created by the original and previously nailed floor boards.
11. PhonoJoist Strip MUST always be used to the top of each joist, noggin and strut before laying PhonoDeck®24 floor direct to joist. These joist strips can be stapled or adhered to the top of the joists.
12. For PhonoDeck® Tri35s structural overlay board, PhonoJoist Strips are not necessary.

You may also require:

Perimeter Strip

PhonoClip®

PhonoMat® Tape

PhonoSeal®

PhonoBond® PVA

Channel