



ResoDeck 23PRO

Product Information & Technical Data Sheet

Resonate's **ResoDeck 23PRO** is a high performance acoustic flooring solution suitable for use on separating floors to help compliance with Part E of the building regulations. The composite acoustic overlay panel is laid on the timber or concrete sub-deck, before the final floor coverings are installed.

At only 23mm thick the **ResoDeck** panels have minimal impact on floor height. The 18mm P5 chipboard top layer is technically bonded to 5mm **ResoFleece**, a high performance recycled polyester fibre resilient layer.

The **ResoFleece** resilient layer provides superior impact sound reduction over other types of resilient layers. **ResoDeck 23PRO** is perfectly suited for refurbishment applications.

The P5 chipboard used to manufacture these panels is FSC® certified (FSC-C221537).



The mark of
responsible forestry
FSC® C221537

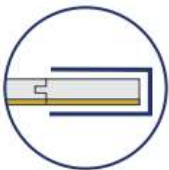
Key Benefits



**Excellent impact
sound reduction**



**Easy to install tongue
and groove edge**

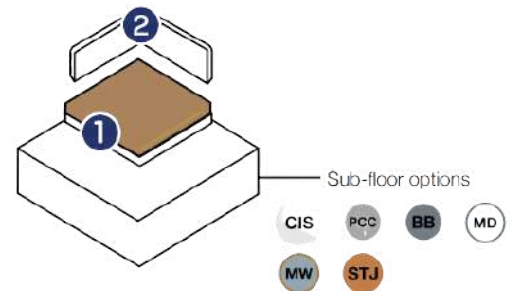


**Low profile solution,
low impact on floor
height**



System Details

1. Resonate **ResoDeck** floor panel
2. **ResoEdge** flanking strip



Dimensions

Panel Dimensions

600 mm (W)
2400 mm (L)
23 mm (H)

Panel Weight

12.7 kg/m²
18.3 kg Per Panel

Panels Per Pallet

70 Panels (100.8 m²)

Panel m²

1.44 m² Per Panel

Pallet Dimensions

2400 mm (W)
1200 mm (L)
930 mm (H)

Pallet Weight

1330 kg

Robust Detail Compliant

E-FC-1 (FFT 5)

E-FC-2 (FFT 5)

E-FS-1 (FFT 5)



Product Applications

Concrete In-situ Floor

CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **ResoDeck 23PRO**
3. **ResoEdge L30** flanking strip
4. Levelling compound to achieve SR2 flatness
5. 200mm Reinforced insitu concrete slab
6. MF Ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51 dB
Impact Sound Performance LnT,W	51 dB
Impact Noise Improvement ΔLw	20 dB



Solid Timber Joisted Floor

STJ



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **ResoDeck 23PRO**
3. **ResoEdge L30** flanking strip
4. 18mm (min) timber sub floor
5. 200mm (min) timber floor joists
6. **ResoQuilt** 50mm soundproofing wool
7. 30mm **ResoBar** resilient bars
8. 2 x 15mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	49 dB
Impact Sound Performance LnT,W	57 dB



Profiled Metal Deck Floor

MD



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Adhesive or decoupling layer
3. Resonate **ResoDeck 23PRO**
4. **ResoEdge L30** flanking strip
5. Levelling compound to achieve SR2 flatness
6. 130mm concrete on profiled metal deck
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51 dB
Impact Sound Performance LnT,W	50 dB



Performance figures shown are for indicative purposes only. For technical advice specific to your project please contact Resonate Systems technical team.