



# ResoDeck23 PRO

## Product Information & Technical Data Sheet

Resonate's ResoDeck23 PRO 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.

The panels are 1200mm x 600mm, half the size of standard chipboard sheets. This makes them easier to deliver and to install on upper floors of any property.

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. ResoDeck23 PRO is perfectly suited for refurbishment applications.

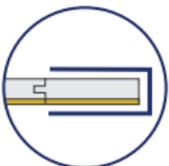
### Key Benefits



**Excellent impact sound reduction**



**Easy to install 1200 x 600 mm boards, tongue and groove edge**

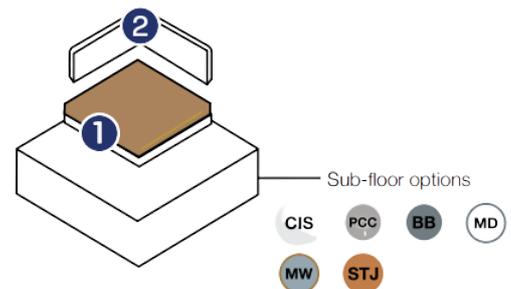


**Low profile solution, low impact on floor height**



### System Details

1. Resonate ResoDeck floor panel
2. ResoEdge flanking strip



### Dimensions

#### Panel Dimensions

600mm (W)  
1200mm (L)  
23mm (H)

#### Panel Weight

12.7 kg/m<sup>2</sup>  
9.1 kg Per Panel

#### Panels Per Pallet

70 Panels (50.4 m<sup>2</sup>)

#### Panel m<sup>2</sup>

0.72 m<sup>2</sup> Per Panel

#### Pallet Dimensions

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

#### Pallet Weight

650 kg

### Robust Detail Compliant

E-FC-1 (FFT 5)

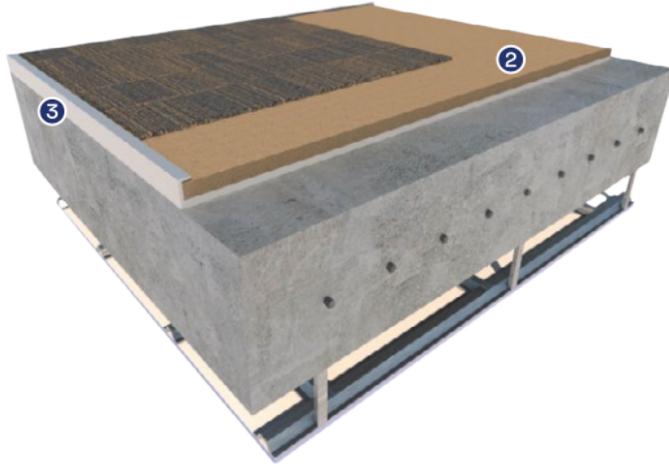
E-FC-2 (FFT 5)

E-FS-1 (FFT 5)



# Product Applications

## Concrete In-situ Floor **CIS**

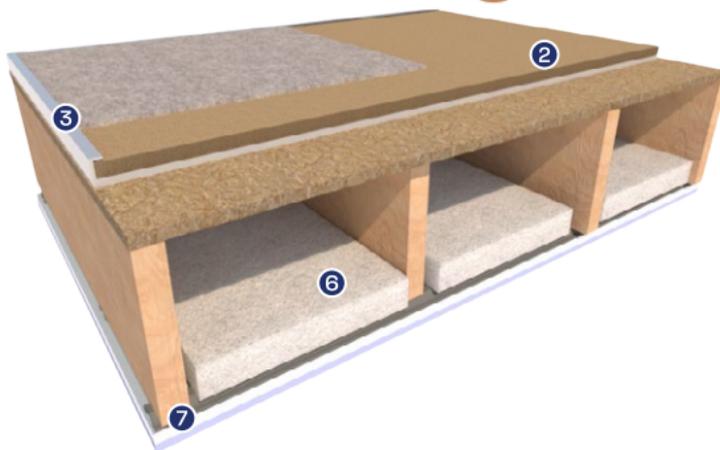


1. Carpet and underlay
2. Resonate **ResoDeck23 PRO**
3. **ResoEdge L30** flanking strip
4. 200mm Reinforced in-situ concrete slab
5. MF Ceiling (min 100mm void)
6. 1 x 9.5mm acoustic plasterboard

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. Carpet and underlay
2. Resonate **ResoDeck23 PRO**
3. **ResoEdge L30** flanking strip
4. 18mm (min) timber sub floor
5. 200mm (min) timber floor joists
6. **Resoquilt** 50mm soundproofing wool
7. 16mm **ResoBar** resilient bars
8. 2 x 15mm acoustic plasterboard

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



## Steel Joisted Floor **SJ**



1. Engineered timber flooring
2. Self-levelling and adhesive layers
3. Resonate **ResoDeck23 PRO**
4. **ResoEdge L30** flanking strip
5. 18mm (min) timber sub floor
6. 225mm (min) steel floor joists
7. 100mm 45kg/m<sup>3</sup> mineral wool
8. 16mm **ResoBar** resilient bars
9. 2 x 15mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	49 dB
Impact Sound Performance LnT,W	56 dB

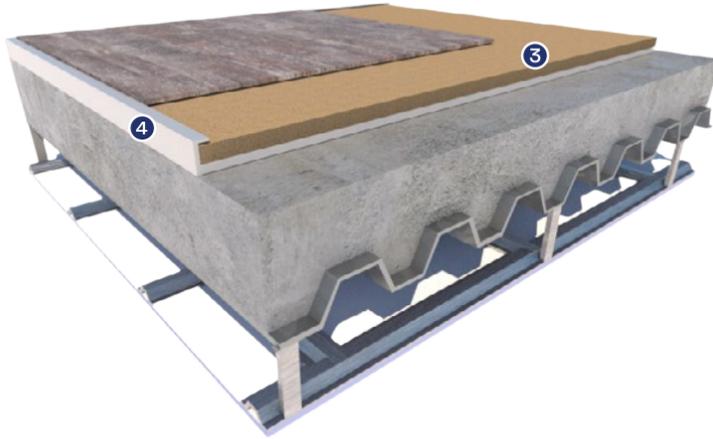


Performance figures shown are for indicative purposes only. For technical advice specific to your project please contact Resonate Systems technical team.



# Product Applications

## Profiled Metal Deck Floor MD



1. Laminate Flooring
2. Adhesive or decoupling layer
3. Resonate **ResoDeck23 PRO**
4. **ResoEdge L30** flanking strip
5. 130mm concrete on profiled metal deck
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	50 dB

