



# 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.

### Key Benefits



**Excellent impact sound reduction**



**Easy to install tongue and groove edge**

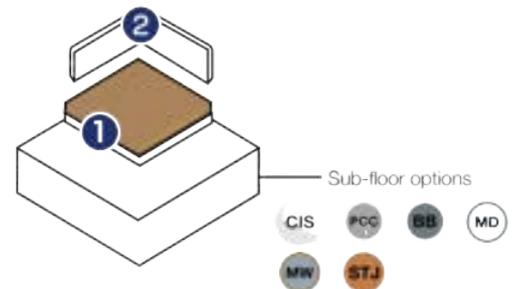


**Low profile solution, low impact on floor height**



### 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/m<sup>2</sup>  
18.3 kg Per Panel

#### Panels Per Pallet

70 Panels (100.8 m<sup>2</sup>)

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

1.44 m<sup>2</sup> 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)

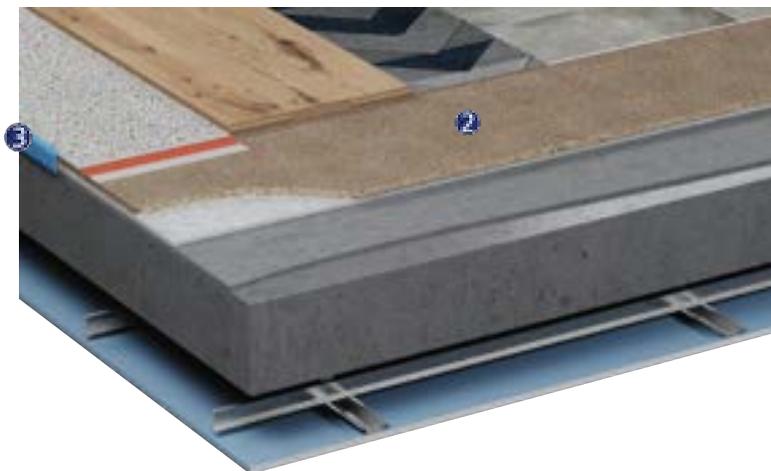
E-FC-2 (FFT 5)

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 in-situ 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

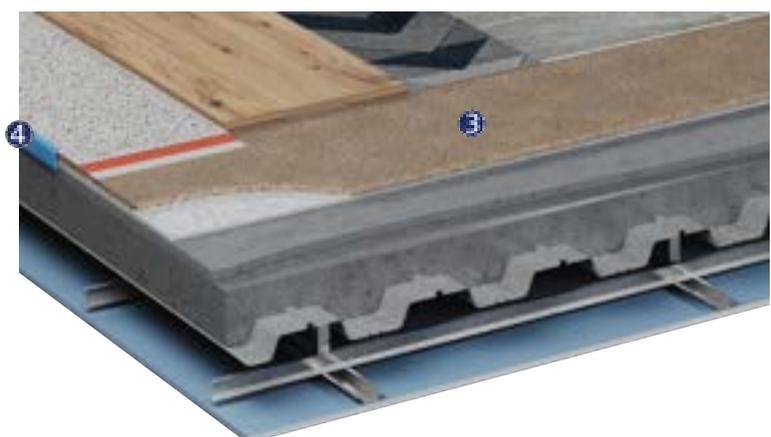


1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **ResoDeck 23PRO**
3. **ResoEdge L30** flanking strip
4. 18mm (min) timber sub floor
5. 200mm (min) timber floor joists
6. **ResoQuilt** 50mm soundproofing wool
7. 30mm **ResoBar** resilient bars
8. 2 x 15mm acoustic plasterboard

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



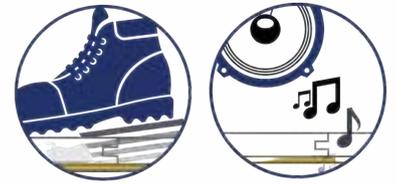
Performance figures shown are for indicative purposes only. For technical advice specific to your project please contact Resonate Systems technical team.

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<b>Airborne Sound Performance DnT,w + Ctr</b>	52dB
<b>Impact Sound Performance LnT,W</b>	47dB
<b>Impact Noise Improvement ΔLw</b>	28dB



England & Wales Part E

Scotland Section 5

	New Build	Change of Use	New Build & Conversions	Traditional Buildings
<b>Airborne (Floors and Walls ) Sound Performance DnT,w+Ctr</b>	>45dB	>43dB	>56dB*	>48dB*
<b>Impact Sound (Floors) Performance LnT,W</b>	<62dB	<64dB	<56dB	<58dB

\*Effect of Ctr not included

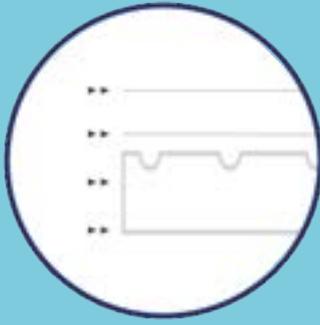
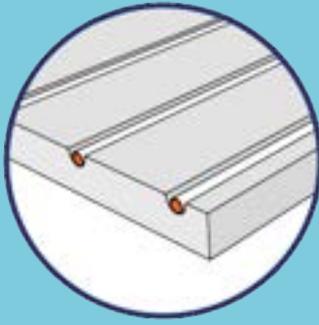
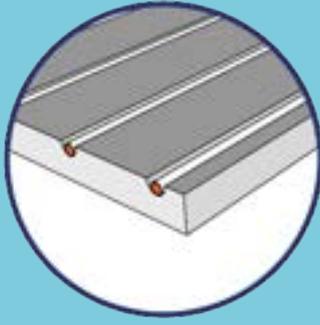
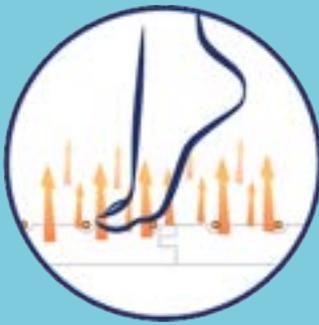
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# ENSURE BACKGROUNDS ARE REMOVED FOR TRANSPARENCY

ResoMat 15

ResoBoard 3

ResoMat 15

ResoMat 15

GYPDECK 28

GYPDECK 28



ResoWall

ResoBar

ResoBar

ResoWall

ResoEdge

HEATDECK

ResoTherm

GYPDECK

ResoDeck

ResoDeck

ResoFoam

ResoRubber

ResoWall

ResoEdge

HEATDECK

GYPDECK 18

ResoTherm Edge

ResoFleece

ResoTherm Edge

ResoTherm XPS

ResoWrap

ResoEdge L30