



ResoCradle

Product Information & Technical Data Sheet

Resonate's **ResoCradle** are made from ultra high density 100% recycled rubber crumb. This adaptable system allows for fast and accurate on-site floor levelling without the need for wet trades. **ResoCradle's** accept a variety of timber batten sizes, enabling a wide range of finished floor heights.

Sustainable Floor Levelling

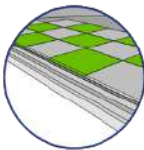
This environmentally friendly alternative is ideal for new build and refurbishment applications, be it residential, commercial or sports floors.

They can also easily incorporate underfloor heating systems and services with the cradle zone and can be over laid with high strength thermally conductive flooring such as **GYPDECK Structural**.

Key Benefits



Excellent impact sound reduction



System can be levelled to an SR1 classification



Dry and lightweight system reduces build times.



System Components



2mm
Cradle Packers



5mm
Cradle Packers



20mm base
Acoustic Cradle.
Available with
40mm or 25mm
leg



10mm Cradle
Base Packer



30mm Cradle
Base Packer

Impact Noise Improvement
28dB (ΔL_w)

Robust Detail Compliant

E-FC-1 (FFT 2)

E-FC-2 (FFT 2)

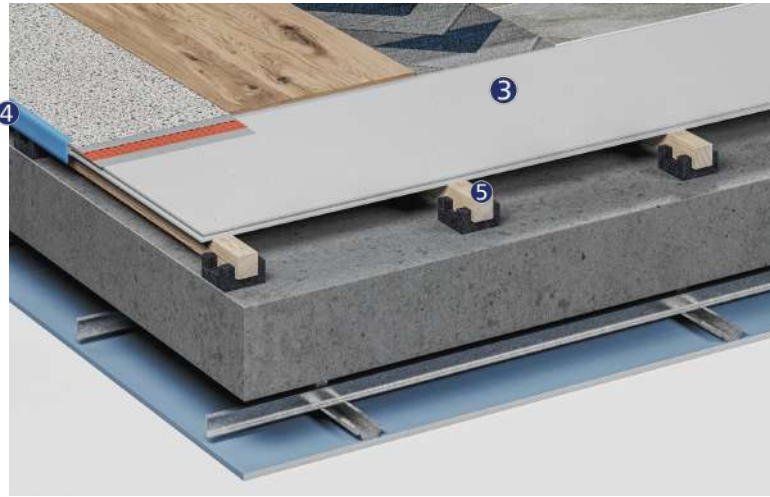
E-FS-1 (FFT 2)



Product Applications and Typical Acoustic Performances

Concrete In-situ Floor

CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Adhesive or decoupling layer
3. Resonate **GYPDECK** Structural floor panel
4. **ResoThermEdge** flanking strip
5. **ResoCradle's** and timber battens
6. 200mm Reinforced in-situ concrete slab
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	54dB
Impact Sound Performance LnT,W	48dB
Impact Noise Improvement ΔLw	28dB



Concrete In-situ Floor

CIS



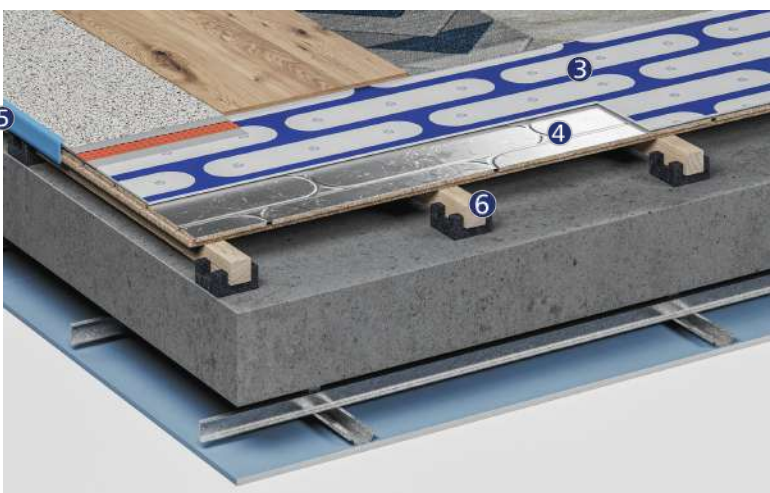
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2. Adhesive or decoupling layer
3. Resonate **GYPDECK** Structural floor panel
4. UHF pipes laid in **ResoThermXPS** insulation
5. **ResoThermEdge** flanking strip
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Concrete In-situ Floor

CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Adhesive or decoupling layer
3. Resonate **ResoBACKER** cement fibre cover boards
4. Resonate **ResoThermchip**
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Product Applications and Typical Acoustic Performances

Concrete Block Beam Floor

BB



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3. Resonate **GYPDECK** Structural floor panel
4. **ResoThermEdge** flanking strip
5. **ResoCradle**'s and timber battens
6. Concrete block beam
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51dB
Impact Sound Performance LnT,W	47dB
Impact Noise Improvement ΔLw	28dB



Concrete Block Beam Floor

BB



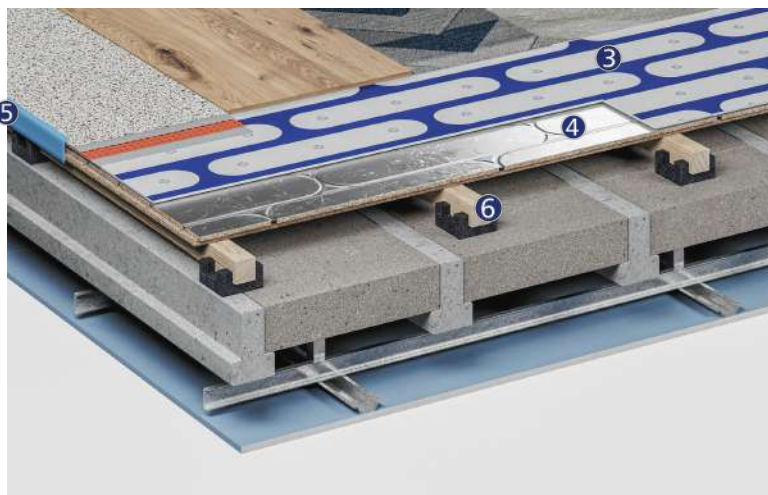
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Product Applications and Typical Acoustic Performances

Profiled Metal Deck Floor

MD



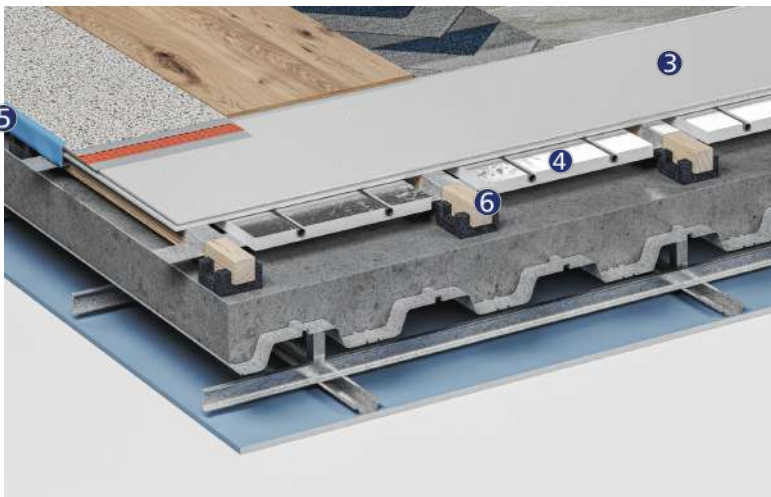
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3. Resonate **GYPDECK** Structural floor panel
4. **ResoThermEdge** flanking strip
5. **ResoCradle**'s and timber battens
6. 130mm concrete on profiled metal deck
7. MF Ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	55dB
Impact Sound Performance LnT,W	47dB



Profiled Metal Deck Floor

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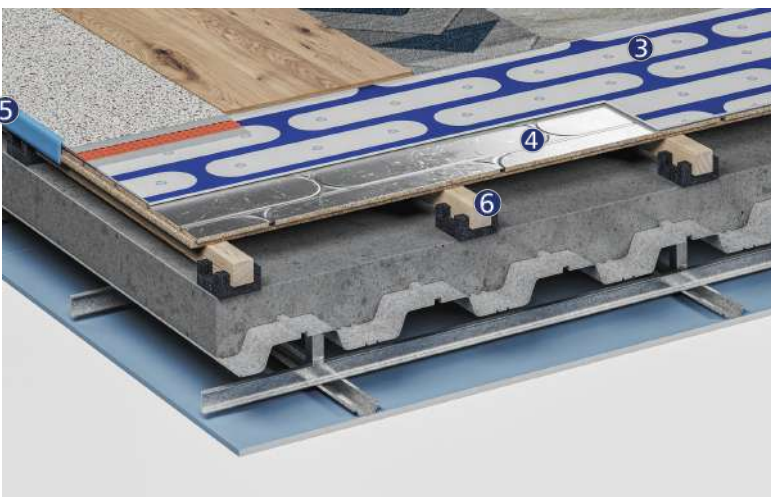
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Impact Sound Performance LnT,W	47dB



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

Product Applications and Typical Acoustic Performances



Pre-Cast Concrete Floor

PCC



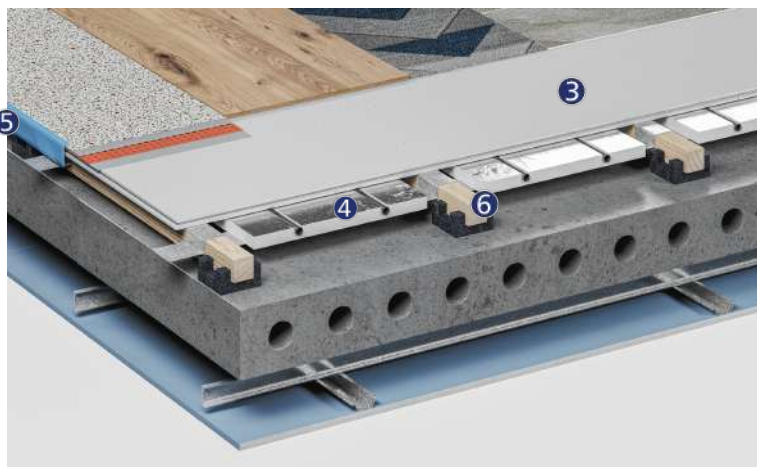
1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Adhesive or decoupling layer
3. Resonate GYPDECK Structural floor panel
4. ResoThermEdge flanking strip
5. ResoCradle's and timber battens
6. 150mm Pre - cast concrete slab
7. MF ceiling (min 100mm void)
8. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	54dB
Impact Sound Performance LnT,W	49dB



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