

# GYPDECK 28



## Product Information & Technical Data Sheet

Resonate **GYPDECK 28** is a high density, dry screed acoustic panel for floors. The panels incorporate a 10mm layer of **ResoFleece** a very high performance recycled soundproofing resilient layer.

The panels are installed below the floor finish and deliver excellent airborne and impact sound reduction. Noise reduction benefits vastly improve the living conditions for occupants, making them ideal for student accommodation, care homes and residential properties.

### Dry Screed, Soundproofing Panels

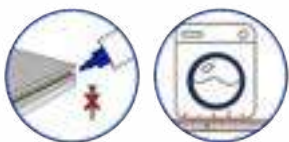
The dry screed panels require no wet trades to install, significantly reducing build times. At only 28mm thickness, Resonate **GYPDECK 28** panels significantly reduce floor height in comparison to 40mm-50mm wet screed systems.

- 18mm top layer consists of an ultra high density recycled gypsum fibre panel.
- 10mm **ResoFleece** fibre resilient layer provides excellent impact sound performance.

### Key Benefits



✓ Excellent impact and airborne sound reduction



✓ No screws, tongue and groove edge, high compressive strength



✓ High density boards accept ceramic and porcelain floors directly without a decoupling mat

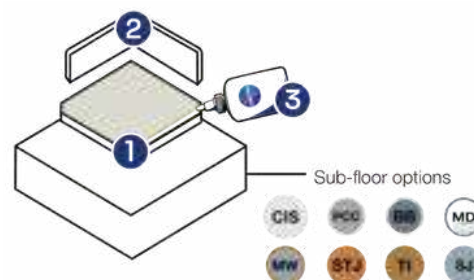


✓ Dry system reduces build times. Does not burn when exposed to fire (non-combustible - A1 fire rating)



### System Components

1. Resonate **GYPDECK 28** floor panel
2. **ResoEdge** flanking strip
3. Resonate **GYPDECK** Adhesive



### Dimensions

Panel Dimensions	Pallet Dimensions
600mm (W)	1200mm (W)
1200mm (L)	1200mm (L)
28mm (H)	1050mm (H)

Panel m <sup>2</sup>	Pallet Weight
0.72m <sup>2</sup> per panel	1060kg

Panels Per Pallet	Density
66 panels / 47.5m <sup>2</sup>	1200 kg/m <sup>3</sup>

Panel Weight
22.6 kg/m <sup>2</sup> 16 kg Per Panel

### Robust Detail Compliant

E-FC-1 (FFT 4)

E-FC-2 (FFT 4)

E-FS-1 (FFT 4)





# Product Applications and Typical Acoustic Performances

## Concrete In-situ Floor





1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Electric UFH pipes set in tile adhesive
3. Resonate **GYPDECK 28**
4. **ResoEdge L30** flanking strip
5. Levelling compound to achieve SR2 flatness
6. 200mm Reinforced insitu concrete slab
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	22dB	

## Metal Web Timber Joisted Floor





1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **GYPDECK 28**
3. **ResoEdge L30** flanking strip
4. 225mm (min) metal web timber joists
5. 100mm 45kg/m<sup>3</sup> mineral wool
6. 30mm **ResoBar** resilient bars
7. 2 x 15mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	50dB	
Impact Sound Performance LnT,W	56dB	

## Steel Joisted Floor



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **GYPDECK 28**
3. **ResoEdge L30** flanking strip
4. 18mm (min) timber sub floor
5. 225mm (min) steel floor joists
6. 100mm 45kg/m<sup>3</sup> mineral wool
7. 30mm **ResoBar** resilient bars
8. 2 x 15mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	50dB	
Impact Sound Performance LnT,W	56dB	



# Product Applications and Typical Acoustic Performances

## Profiled Metal Deck Floor MD



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Adhesive or decoupling layer
3. Resonate **GYPDECK 28**
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	52dB
Impact Sound Performance LnT,W	47dB



## Timber I-Joist Floor TJ



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Resonate **GYPDECK 28**
3. **ResoEdge L30** flanking strip
4. 225mm (min) timber i-joist floors
5. 100mm 45kg/m<sup>3</sup> mineral wool
6. 30mm **ResoBar** resilient bars
7. 2 x 15mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	50dB
Impact Sound Performance LnT,W	56dB

