



# ResoRubber *Base*

## Product Information & Technical Data Sheet

Resonate's ResoRubber *Base* are a range of thin and robust resilient layers, primarily used in under screed applications to acoustically isolate the screed from the sub-floor and flanking walls.

### Recycled, under screed noise barrier

Available in 3, 5, 6, 8 and 10mm thickness' the soundproofing solution is manufactured from recycled rubber granules bonded with cold cure PUR.

### Installation Options

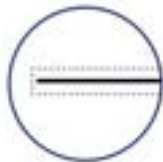
ResoRubber *Base* is an under screed solution, laid directly over the sub floor. ResoRubber *Edge* is laid around the perimeter of each room and either 40mm flowing screed or 65mm sand cement screed laid on top.

ResoRubber *Edge* is designed to isolate the screed and prevent flanking transition around the floor perimeter, reducing the risk of Part E sound test failure. The rolls feature five perforated slits towards the top of the roll and 1 slit 50mm from the base of the roll.

### Key Benefits



**Excellent impact sound reduction**



**Thin space saving solution**



**High point load capacity**

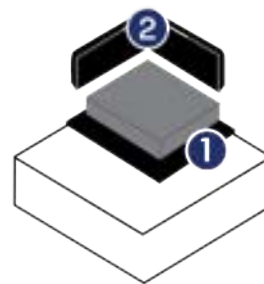


**Strong and robust soundproofing material**



### System Details

1. Resonate ResoRubber *Base*
2. ResoRubber *Edge*



### Dimensions

Roll Thickness	3mm	5mm	6mm
Roll Dimensions	1.0m (W) 15m (L)	1.0m (W) 10m (L)	1.0m (W) 8m (L)
m <sup>2</sup> per roll	15m <sup>2</sup>	10m <sup>2</sup>	8m <sup>2</sup>
Rolls Per Pallet	16 Rolls/ 240m <sup>2</sup>	16 Rolls/ 160m <sup>2</sup>	16 Rolls/ 128m <sup>2</sup>
Material Density	750 kg/m <sup>3</sup>	750 kg/m <sup>3</sup>	750 kg/m <sup>3</sup>
Weight Per Roll	2.25 kg/m <sup>2</sup> 33.75 kg/roll	3.75 kg/m <sup>2</sup> 37.50 kg/roll	4.5 kg/m <sup>2</sup> 36 kg/roll
Pallet Weight	540 kg	600 kg	576 kg
All Pallet Dimensions	1200mm (W) 1000mm (L) 700mm (H)		

ResoRubber *Edge* 8mm x 200mm x 50mm



# Product Applications

## Concrete In-situ Floor CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoRubber Base**
4. 200mm Reinforced in-situ concrete slab
5. **ResoRubber Edge**
6. MF Ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	52dB		
ResoRubber Thickness	3mm	5mm	6mm
Impact Sound Performance LnT,W	52dB	50dB	49dB
Impact Noise Improvement ΔLw	18dB	20dB	21dB

## Profiled Metal Deck Floor MD



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoRubber Base**
4. 130mm concrete on profiled metal deck
5. **ResoRubber Edge**
6. MF ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	54dB		
ResoRubber Thickness	3mm	5mm	6mm
Impact Sound Performance LnT,W	50dB	48dB	47dB

## Pre-Cast Concrete Floor PCC



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoRubber Base**
4. 150mm Pre - cast concrete slab
5. **ResoRubber Edge**
6. MF ceiling (min 100mm void)
7. 1 x 9.5mm acoustic plasterboard

Airborne Sound Performance DnT,w + Ctr	51dB		
ResoRubber Thickness	3mm	5mm	6mm
Impact Sound Performance LnT,W	57dB	55dB	54dB
Impact Noise Improvement ΔLw	18dB	20dB	21dB

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