



ResoSorb

Product Information & Technical Data Sheet

Resonate's ResoSorb is a rubber resilient layer for impact noise isolation of floating screeds.

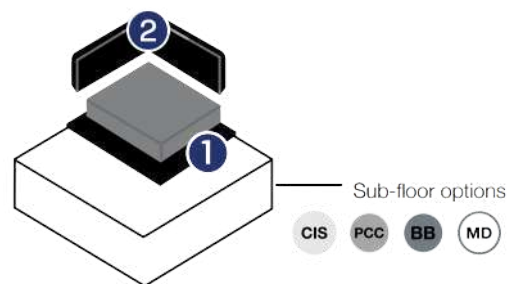
ResoSorb is made from agglomerated recycled rubber, made from 100% post consumer recycled materials.

ResoSorb has the unique feature of having a dimpled (wave texture) on one surface to reduce the surface contact area to the sub floor below. This results in higher levels of impact sound reduction through the separating floors.



System Details

1. Resonate ResoSorb
2. Resonate ResoEdgeRoll



Key Benefits



Excellent impact sound reduction and thermal insulation properties



Easy to handle, flexible and long term resilience



Manufactured from recycled rubber

Dimensions

Panel Weight
550 kg/m³

Available Thickness
ResoSorb 8/4mm
ResoSorb 17/8mm
ResoSorb 25/7mm

Dimensions
ResoSorb 8/4 = 1m (W) x 15m (L)
ResoSorb 17/8 = 1m (W) x 9m (L)
ResoSorb 25/7 = 1m (W) x 9m (L)

Tensile Strength
>250 KPa

Thermal Conductivity
0.140 W/mk

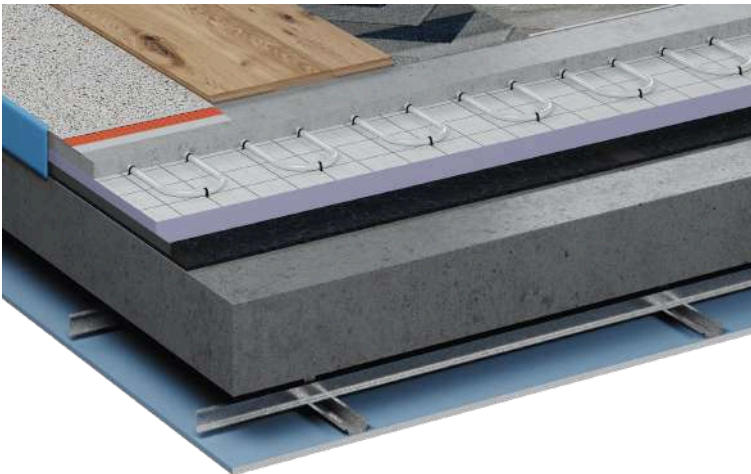
Impact Noise Improvement
ResoSorb 8/4 = 24ΔLw
ResoSorb 17/8 = 29ΔLw
ResoSorb 25/7 = 31ΔLw

Thermal Conductivity
0.140 W/mk





Product Applications

Concrete In-situ Floor CIS



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoSorb**
4. 200mm Reinforced insitu 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	8/4mm	17/8mm	25/7mm	
Impact Sound Performance LnT,W	48dB	42dB	40dB	
Impact Noise Improvement ΔLw	24dB	29dB	31dB	

Profiled Metal Deck Floor MD





1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoSorb**
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	8/4mm	17/8mm	25/7mm	
Impact Sound Performance LnT,W	46dB	40dB	38dB	

Pre-Cast Concrete Floor PCC



1. Ceramic Tiles / Timber flooring / Carpet / Vinyl
2. Insulation / UFH pipes / screed
3. Resonate **ResoSorb**
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	8/4mm	17/8mm	25/7mm	
Impact Sound Performance LnT,W	52dB	47dB	45dB	
Impact Noise Improvement ΔLw	24dB	29dB	31dB	

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