

ResoSorb



Product Information & Technical Data Sheet

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

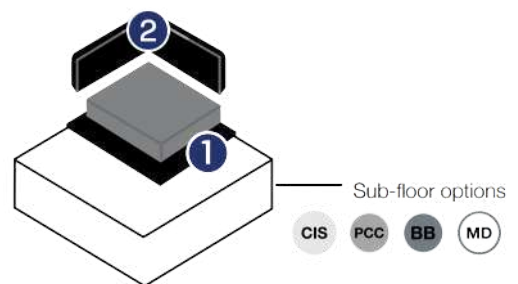
ResoSorb is made from agglomerated recycled rubber, made from 100% post consumer recycled materials.

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 $D_{nT,w} + C_{tr}$	52dB		
ResoRubber Thickness	8/4mm	17/8mm	25/7mm
Impact Sound Performance $L_{nT,W}$	48dB	42dB	40dB
Impact Noise Improvement ΔL_w	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 $D_{nT,w} + C_{tr}$	54dB		
ResoRubber Thickness	8/4mm	17/8mm	25/7mm
Impact Sound Performance $L_{nT,W}$	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 $D_{nT,w} + C_{tr}$	51dB		
ResoRubber Thickness	8/4mm	17/8mm	25/7mm
Impact Sound Performance $L_{nT,W}$	52dB	47dB	45dB
Impact Noise Improvement ΔL_w	24dB	29dB	31dB

