



ResoMat 15

Product Information & Technical Data Sheet

Resonate ResoMat 15 is a heavy duty acoustic underlay which provides excellent sound reduction in both foot fall noise and airborne sounds such as talking and televisions from rooms above or below.

The 15mm thick ResoMat 15 have minimal impact on the floor build up, making them ideal for rooms with minimal height.

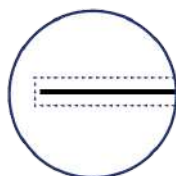
The mats are easy to cut to size using a sharp knife and can be loose laid over the existing floor boards.

ResoMat 15 consists of a high performance cross linked foam resilient layer which is sandwiched between two layers of mass loaded vinyl, 5 kg/m² and 10 kg/m². Lay 5 kg/m² face up when installing a 'soft floor' covering such as carpet. Lay 10 kg/m² face up when installing a 'hard floor' finish such as wooden/laminate flooring. This combination delivers excellent impact and airborne sound performance.

Key Benefits



Excellent impact sound reduction



Thin space saving solution only 15mm



High point load capacity

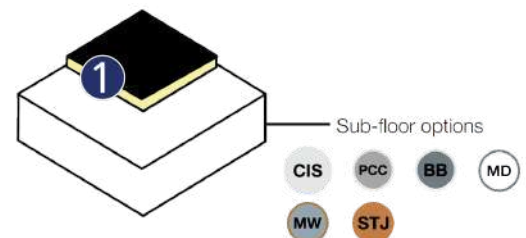


Strong and robust soundproofing material



System Components

1. Resonate ResoMat 15 floor panel



Dimensions

Panel Dimensions

1200mm (W)
1200mm (L)
15mm (H)

Panel m²

1.44 m² per panel

Panels Per Pallet

40 panels / 57.6m²

Pallet Weight

15.5 kg/m²
22.5 kg per sheet

Pallet Dimensions

1200 mm (W)
1200mm (L)
750mm (H)

Pallet Weight

900 kg

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Product Applications and Typical Acoustic Performances

Solid Timber Joisted Floor

STJ



1. Laminate Flooring
2. Resonate ResoMat 15
3. 18mm (min) timber sub floor
4. 225 (min) timber floor joists
5. ResoQuilt 50mm soundproofing wool
6. 30mm ResoBar resilient bars
7. 2 x 15mm acoustic plasterboard

Airborne Sound Performance $D_{nT,w} + C_{tr}$	52dB
Impact Sound Performance $L_{nT,W}$	44dB



Metal Web Timber Joisted Floor

MW



1. Laminate Flooring
2. Adhesive or decoupling layer
3. Resonate ResoMat 15
4. 225mm (min) metal web timber joist
5. 100mm 45kg/m³ mineral wool
6. 30mm ResoBar resilient bars
7. 2 x 15mm acoustic plasterboard

Airborne Sound Performance $D_{nT,w} + C_{tr}$	54dB
Impact Sound Performance $L_{nT,W}$	40dB

