

Noisedeck 28 Performance Data

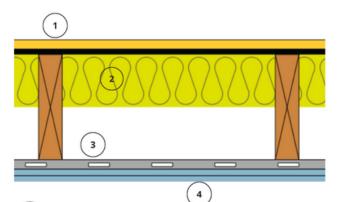
www.noisestopsystems.co.cuk info@noisestopsystems.co.uk 01423 339163



Sound Insulation Test

Noisedeck 28





Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

Noisedeck direct to 200mm joist

(2) Acoustic insulation 100mm/60kg

freq.(Hz)

50

63

80

100

125

160

200

250

315

400

500

6<u>30</u> 800

1000

1250

1600

2000

2<u>5</u>00 3150

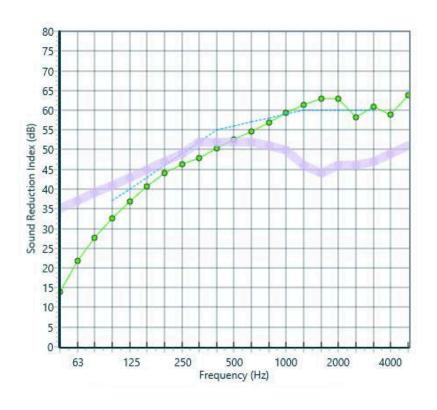
4000

5000

Soundbreaker bars perpendicular to the joist at 400mm centres

4 Two layers of 12.5mm acoustic plasterboard

| R(dB) | R(dB) | |
|-------|-------|--|
| 14 | | |
| 22 | 18 | |
| 28 | | |
| 33 | | |
| 37 | 36 | |
| 41 | | |
| 44 | | |
| 46 | 46 | |
| 48 | | |
| 50 | | |
| 52 | 52 | |
| 55 | | |
| 57 | | |
| 59 | 59 | |
| 61 | | |
| 63 | | |
| 63 | 61 | |
| 58 | | |
| 61 | | |
| 59 | 61 | |
| C 1 | | |



The higher the figure for airborne, the better the performance. The lower the figure for impact the better the performance.

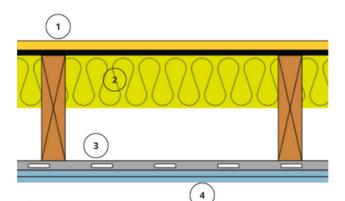
Airborne Results

| Untreated Floor DnT,w | Treated Floor DnT,w |
|-----------------------|---------------------|
| 41dB | 56dB |

Sound Insulation Test

Noisedeck 28





Mass-air-mass resonant frequency = =81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

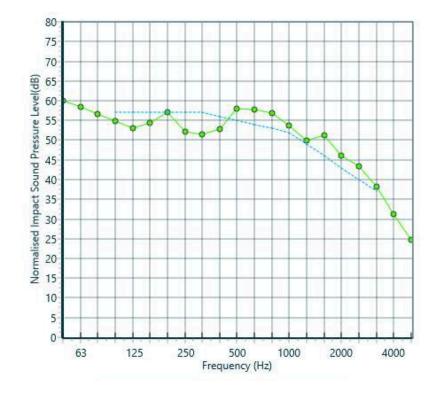
Noisedeck direct to 200mm joist

(2) Acoustic insulation 100mm/60kg

Soundbreaker bars perpendicular to the joist at 400mm

4 Two layers of 12.5mm acoustic plasterboard

| 50 60 63 58 63 80 57 100 55 125 53 59 160 54 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 5000 25 | freq.(Hz) | Ln(dB) | Ln(dB) |
|--|-----------|--------|---------|
| 63 58 63 80 57 100 55 125 53 59 160 54 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | LII(UD) |
| 80 57 100 55 125 53 59 160 54 59 250 52 59 315 52 59 400 53 62 630 58 62 630 58 800 57 1000 54 59 1250 50 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | 62 |
| 100 55 125 53 59 160 54 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | 03 |
| 125 53 59 160 54 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | - | | |
| 160 54 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | FO |
| 200 57 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | 59 |
| 250 52 59 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | |
| 315 52 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | F0 |
| 400 53 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | 59 |
| 500 58 62 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | |
| 630 58 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | |
| 800 57 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | | | 62 |
| 1000 54 59 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | - | | |
| 1250 50 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | 800 | 57 | |
| 1600 51 2000 46 53 2500 43 3150 38 4000 31 39 | 1000 | 54 | 59 |
| 2000 46 53 2500 43 3150 38 4000 31 39 | 1250 | 50 | |
| 25 <u>00</u> 43 3150 38 4000 31 39 | 1600 | 51 | |
| 3150 38 4000 31 39 | 2000 | 46 | 53 |
| 4000 31 39 | 2500 | 43 | |
| | 3150 | 38 | |
| 5000 25 | 4000 | 31 | 39 |
| | 5000 | 25 | |



The higher the figure for airborne, the better the performance. The lower the figure for impact the better the performance.

Impact Results

| Untreated Floor L'nT,w | Treated Floor L'nT,w |
|------------------------|----------------------|
| 79 dB | 55dB |