



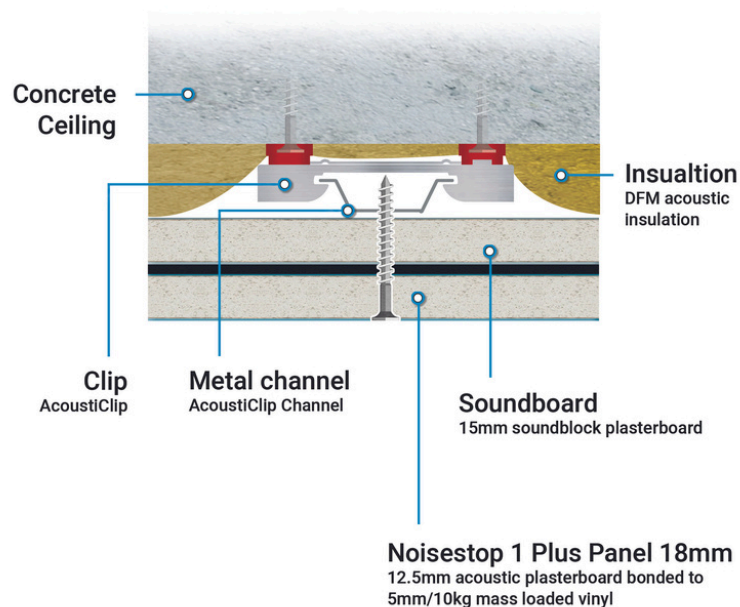
AcoustiClip Concrete Ceiling System Performance Data

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01423 339163

NOISE  **STOP**
SYSTEMS

Sound Insulation Test

AcoustiClip Concrete Ceiling System

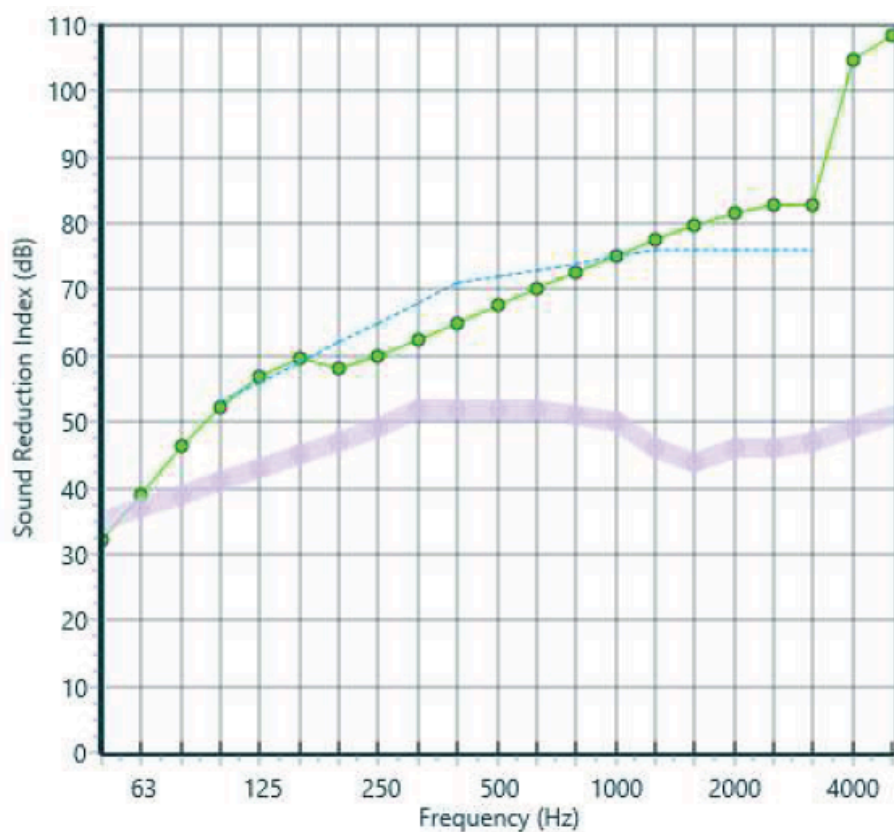


Mass-air-mass resonant frequency = ≈ 81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

| freq.(Hz) | R(dB) | R(dB) |
|-----------|-------|-------|
| 50 | 32 | |
| 63 | 39 | 36 |
| 80 | 46 | |
| 100 | 52 | |
| 125 | 57 | 55 |
| 160 | 60 | |
| 200 | 58 | |
| 250 | 60 | 60 |
| 315 | 62 | |
| 400 | 65 | |
| 500 | 68 | 67 |
| 630 | 70 | |
| 800 | 73 | |
| 1000 | 75 | 75 |
| 1250 | 78 | |
| 1600 | 80 | |
| 2000 | 82 | 81 |
| 2500 | 83 | |
| 3150 | 83 | |
| 4000 | 105 | 87 |
| 5000 | 109 | |



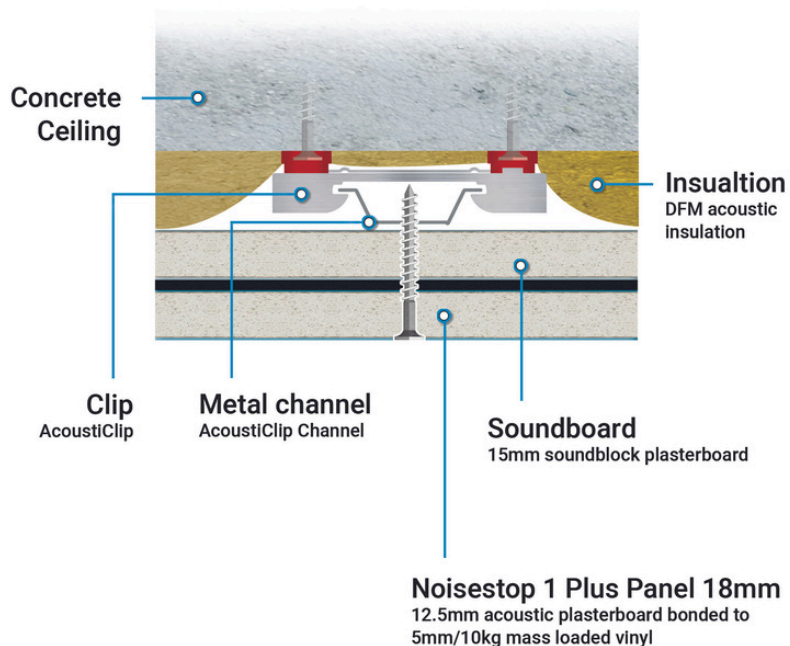
The higher the figure for airborne, the better the performance.
The lower the figure for impact the better the performance.

Airborne Results

| Untreated Ceiling DnT,w | Treated Ceiling DnT,w |
|-------------------------|-----------------------|
| 59dB | 72dB |

Sound Insulation Test

AcoustiClip Concrete Ceiling System

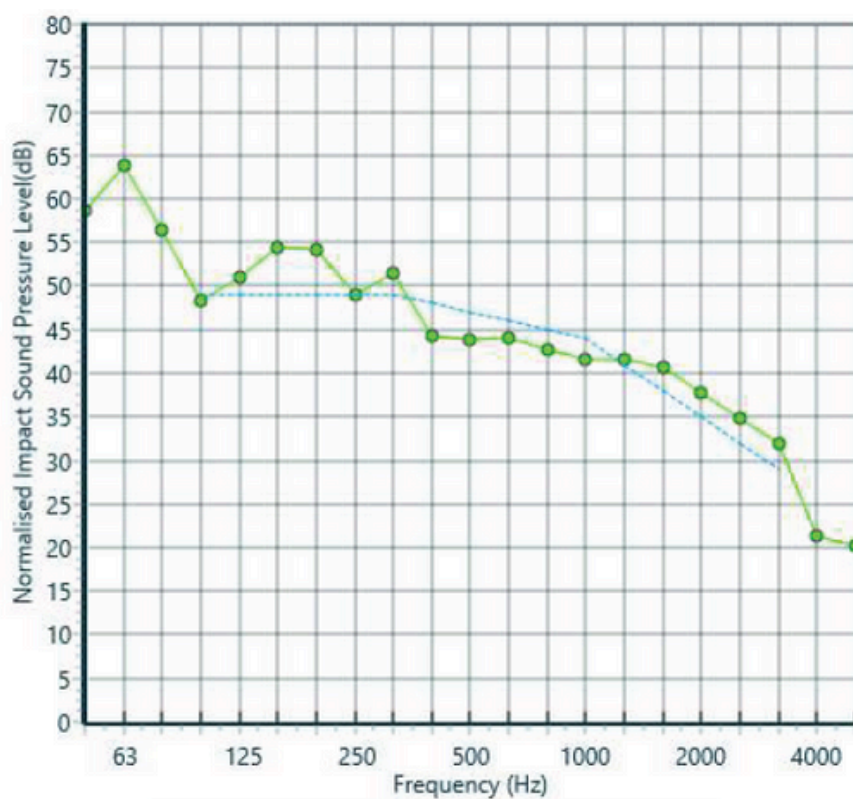


Mass-air-mass resonant frequency = 81 Hz

Panel Size = 2.7 m x 4.0 m

Partition surface mass = 202 kg/m²

| freq.(Hz) | Ln(dB) | Ln(dB) |
|-----------|--------|--------|
| 50 | 59 | |
| 63 | 64 | 66 |
| 80 | 56 | |
| 100 | 48 | |
| 125 | 51 | 57 |
| 160 | 54 | |
| 200 | 54 | |
| 250 | 49 | 57 |
| 315 | 51 | |
| 400 | 44 | |
| 500 | 44 | 49 |
| 630 | 44 | |
| 800 | 43 | |
| 1000 | 42 | 47 |
| 1250 | 42 | |
| 1600 | 41 | |
| 2000 | 38 | 43 |
| 2500 | 35 | |
| 3150 | 32 | |
| 4000 | 21 | 32 |
| 5000 | 20 | |



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

Impact Results

| Untreated Ceiling L'nT,w | Treated Ceiling L'nT,w |
|--------------------------|------------------------|
| 76dB | 48dB |