



MuteClip® Systems Performance Data

**Ceiling
Wall**

MuteClip® Performance Data

MuteClip® Concrete Stud Double Plus

Untreated Ceiling Impact Results

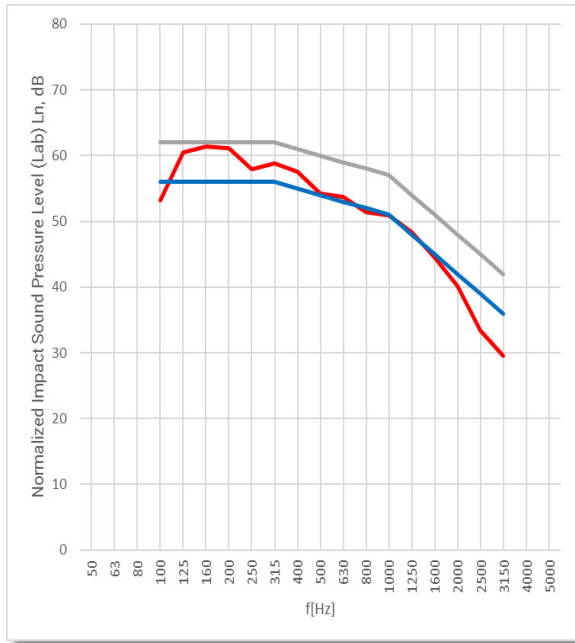
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

Receiving Room Volume : 76 m3

Ceiling Build-Up:

| | |
|-------------------------|-------------|
| 140mm Pre-Cast Concrete | (322 kg/m2) |
| 5mm Resilient Layer | |
| 70mm Screed with UFH | (60 kg/m2) |
| 28mm Timber Flooring | (16 kg/m2) |

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 53.2 |
| 125 | 60.5 |
| 160 | 61.4 |
| 200 | 61.1 |
| 250 | 57.9 |
| 315 | 58.8 |
| 400 | 57.6 |
| 500 | 54.2 |
| 630 | 53.7 |
| 800 | 51.4 |
| 1000 | 50.9 |
| 1250 | 48.3 |
| 1600 | 44.5 |
| 2000 | 40.2 |
| 2500 | 33.4 |
| 3150 | 29.6 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO717-2

L'nT,w = 54dB

Treated Ceiling Impact Results

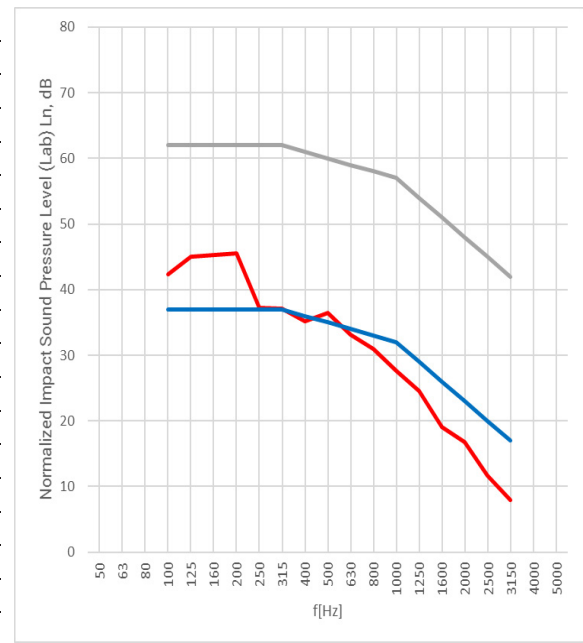
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

Receiving Room Volume : 76 m3

Additional Ceiling Build-Up:

| | | |
|---------------------|--------------|--------------------------------------|
| 3mm Skim | | MuteClip and MuteClip Channel |
| 15mm Acoustic Board | (12.5 kg/m2) | 50mm Battens at 400mm Centres |
| Tecsound SY70 | (7 kg/m2) | 75mm RW3 Rockwool (4.5 kg/m2) |
| 19mm Sound Plank | (15 kg/m2) | Original Ceiling Make-Up (398 kg/m2) |

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 42.4 |
| 125 | 45 |
| 160 | 45.3 |
| 200 | 45.5 |
| 250 | 37.2 |
| 315 | 37.1 |
| 400 | 35.2 |
| 500 | 36.4 |
| 630 | 33.1 |
| 800 | 31 |
| 1000 | 27.6 |
| 1250 | 24.6 |
| 1600 | 19.1 |
| 2000 | 16.8 |
| 2500 | 11.7 |
| 3150 | 7.9 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO717-2

L'nT,w = 35dB

MuteClip® Performance Data

MuteClip® Concrete Stud Double Plus

Untreated Ceiling Airborne Results

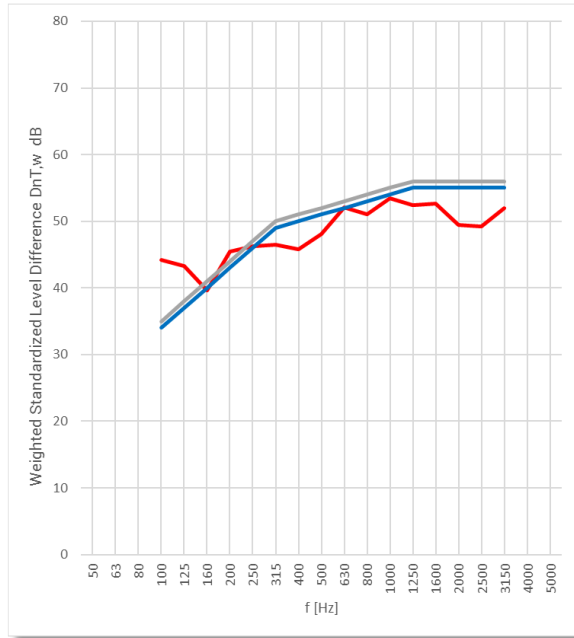
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76m³

Ceiling Build-Up:

| | |
|-------------------------|--------------------------|
| 140mm Pre-Cast Concrete | (322 kg/m ²) |
| 5mm Resilient Layer | |
| 70mm Screed with UFH | (60 kg/m ²) |
| 28mm Timber Flooring | (16 kg/m ²) |

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 39.9 |
| 125 | 40.6 |
| 160 | 43.2 |
| 200 | 44.9 |
| 250 | 45.5 |
| 315 | 46 |
| 400 | 47.7 |
| 500 | 53.6 |
| 630 | 54.3 |
| 800 | 54.2 |
| 1000 | 54.6 |
| 1250 | 53.6 |
| 1600 | 53.4 |
| 2000 | 53.1 |
| 2500 | 52.3 |
| 3150 | 52.1 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-1

DnT,w (C;Ctr) = 53 (-1;-3) dB

Treated Ceiling Airborne Results

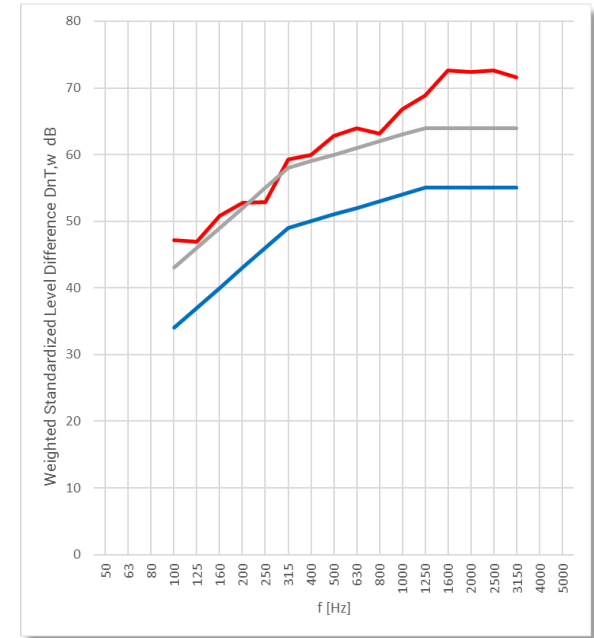
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76m³

Additional Ceiling Build-Up:

| | | |
|---------------------|---------------------------|---|
| 3mm Skim | | MuteClip and MuteClip Channel |
| 15mm Acoustic Board | (12.5 kg/m ²) | 50mm Battens at 400mm Centres |
| Tecsound SY70 | (7 kg/m ²) | 75mm RW3 Rockwool (4.5 kg/m ²) |
| 19mm Sound Plank | (15 kg/m ²) | Original Ceiling Make-Up (398 kg/m ²) |

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 52.3 |
| 125 | 58.2 |
| 160 | 59.7 |
| 200 | 61.9 |
| 250 | 63.2 |
| 315 | 64.3 |
| 400 | 67.7 |
| 500 | 69.8 |
| 630 | 73.6 |
| 800 | 75 |
| 1000 | 75 |
| 1250 | 76.1 |
| 1600 | 78.2 |
| 2000 | 76.7 |
| 2500 | 78.2 |
| 3150 | 80.3 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-1

DnT,w (C;Ctr) = 73 (-1;-5) dB

MuteClip® Performance Data

MuteClip® Double Plus

Treated Ceiling Impact Results

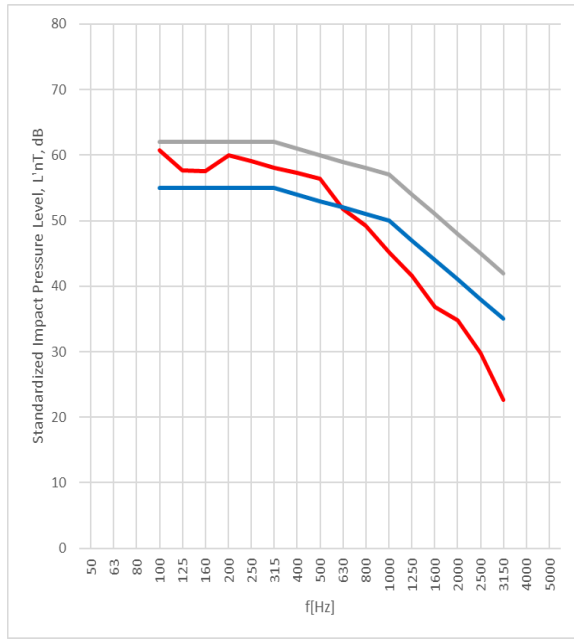
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

Receiving Room Volume : 26 m3

Ceiling Build-up for both impact and airborne tests:

| | |
|------------------------------------|---------------------------------|
| 16mm engineered floor (9.1kg/m2) | MuteClip and MuteClip Channel |
| 2mm sponge underlay (0.2kg/m2) | 19mm Sound Plank (15kg/m2) |
| 18mm T&G Chipboard (10.2kg/m2) | Tecsound SY70 (7kg/m2) |
| 225mm x 50mm joists, 400mm Centres | 15mm Acoustic board (12.5kg/m2) |
| 150mm RW3 Rockwool (9kg/m2) | 2mm Skim Plaster (N/A) |

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 60.7 |
| 125 | 57.7 |
| 160 | 57.6 |
| 200 | 60 |
| 250 | 59.1 |
| 315 | 58.1 |
| 400 | 57.3 |
| 500 | 56.4 |
| 630 | 51.8 |
| 800 | 49.2 |
| 1000 | 45.1 |
| 1250 | 41.6 |
| 1600 | 36.8 |
| 2000 | 34.8 |
| 2500 | 29.8 |
| 3150 | 22.6 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO717-2

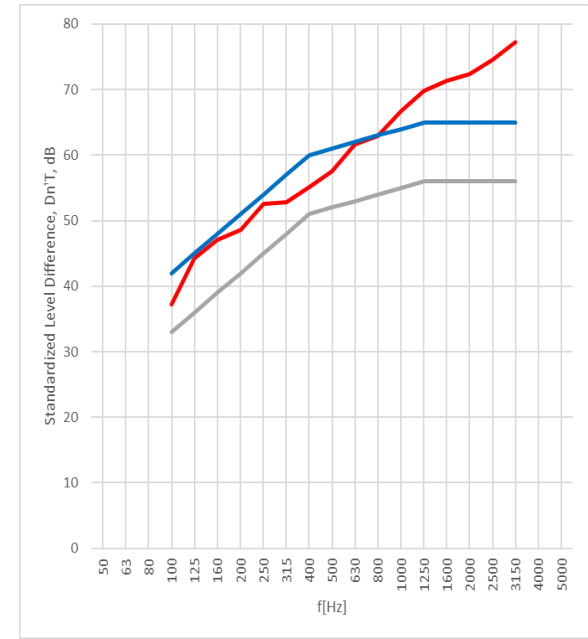
L'nT,w = 53dB

Treated Ceiling Airborne Results

Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76m3

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 52.3 |
| 125 | 58.2 |
| 160 | 59.7 |
| 200 | 61.9 |
| 250 | 63.2 |
| 315 | 64.3 |
| 400 | 67.7 |
| 500 | 69.8 |
| 630 | 73.6 |
| 800 | 75 |
| 1000 | 75 |
| 1250 | 76.1 |
| 1600 | 78.2 |
| 2000 | 76.7 |
| 2500 | 78.2 |
| 3150 | 80.3 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-1

DnT,w (C;Ctr) = 61 (-1;-7) dB

Ceiling

MuteClip® Performance Data

MuteClip® Stud Double Plus

Treated Wall Airborne Results

Weighted Standardized Level Difference according (DnT,w + Ctr) to ISO 717-2

Source Room Volume: 135m³

Receiving Room Volume: 35m³

Additional Wall Build-Up:

3mm Skim

MuteClip and MuteClip Channel

15mm Acoustic Board (12.5 kg/m²)

50mm Battens at 600mm Centres

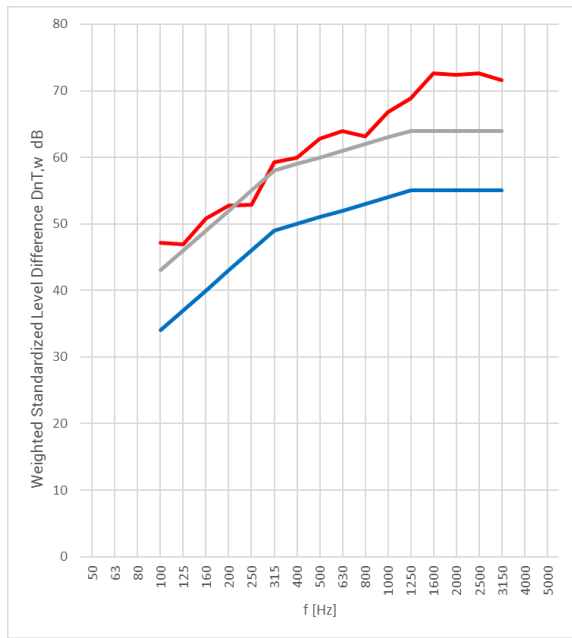
Tecsound SY70 (7 kg/m²)

100mm RW3 Rockwool (6 kg/m²)

19mm Sound Plank (15 kg/m²)

Original Wall Make-Up

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 47.2 |
| 125 | 46.9 |
| 160 | 50.8 |
| 200 | 52.8 |
| 250 | 52.9 |
| 315 | 59.3 |
| 400 | 59.9 |
| 500 | 62.8 |
| 630 | 63.9 |
| 800 | 63.1 |
| 1000 | 66.8 |
| 1250 | 68.9 |
| 1600 | 72.6 |
| 2000 | 72.4 |
| 2500 | 72.6 |
| 3150 | 71.6 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-2

DnT,w (C;Ctr) = 65 (-1;-5) dB

MuteClip® Performance Data

MuteClip® Stud Double Plus

Treated Wall Airborne Results

Weighted Standardized Level Difference according (DnT,w + Ctr) to ISO 717-2

Source Room Volume: 135m³

Receiving Room Volume: 39m³

Additional Wall Build-Up:

3mm Skim

MuteClip and MuteClip Channel

15mm Acoustic Board (12.5 kg/m²)

50mm Battens at 600mm Centres

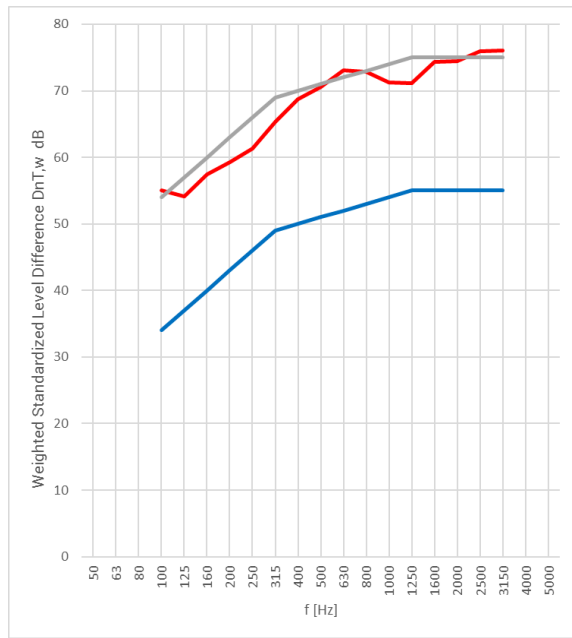
Tecsound SY70 (7 kg/m²)

100mm RW3 Rockwool (6 kg/m²)

19mm Sound Plank (15 kg/m²)

Original Wall Make-Up

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 55 |
| 125 | 54.1 |
| 160 | 57.4 |
| 200 | 59.3 |
| 250 | 61.3 |
| 315 | 65.3 |
| 400 | 68.8 |
| 500 | 70.6 |
| 630 | 73.1 |
| 800 | 72.9 |
| 1000 | 71.3 |
| 1250 | 71.1 |
| 1600 | 74.3 |
| 2000 | 74.5 |
| 2500 | 75.9 |
| 3150 | 76 |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-2

DnT,w (C;Ctr) = 72 (-2;-5) dB

Wall

MuteClip® Performance Data

MuteClip® Double

Treated Wall Airborne Results

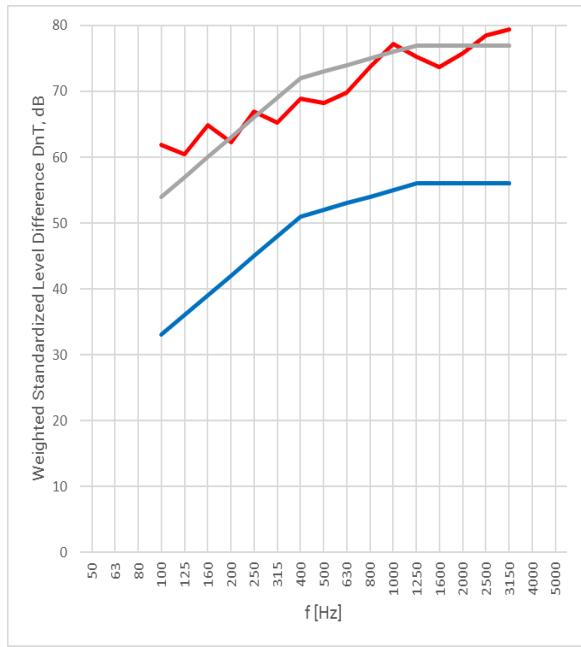
Weighted Standardized Level Difference according (DnT,w + Ctr) to ISO 717-1
 Receiving Room Volume: 20m³

Wall Build-Up

| | | | |
|---------------------|---------------------------|----------------------|--------------------------|
| 3mm Skim | | 30mm RW3 Rockwool | (1.8 kg/m ²) |
| 15mm Acoustic Board | (12.5 kg/m ²) | 100mm Concrete Block | (322 kg/m ²) |
| Tecsound SY70 | (7 kg/m ²) | 100mm air cavity | |
| 15mm Acoustic Board | (12.5 kg/m ²) | 100mm Concrete Block | (322 kg/m ²) |

MuteClip and MuteClip Channel

| Hz | 1/3 Octave |
|------|------------|
| 50 | |
| 63 | |
| 80 | |
| 100 | 61.9* |
| 125 | 60.5* |
| 160 | 64.9* |
| 200 | 62.3* |
| 250 | 66.9* |
| 315 | 65.3* |
| 400 | 68.9* |
| 500 | 68.3* |
| 630 | 69.8* |
| 800 | 73.7* |
| 1000 | 77.2* |
| 1250 | 75.2* |
| 1600 | 73.7* |
| 2000 | 75.8* |
| 2500 | 78.5* |
| 3150 | 79.4* |
| 4000 | |
| 5000 | |



Rating in accordance to ISO 717-1

DnT,w (C;Ctr) = 73 (-1;-3) dB