



## **MuteClip® Systems** Performance Data

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|                         |       |
|-------------------------|-------|
| <b>Concrete Ceiling</b> | 2-3   |
| <b>Timber Ceiling</b>   | 4-8   |
| <b>Masonry Wall</b>     | 9-10  |
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# MuteClip® Performance Data

## Concrete Ceiling | MuteClip® Concrete Stud Double Plus

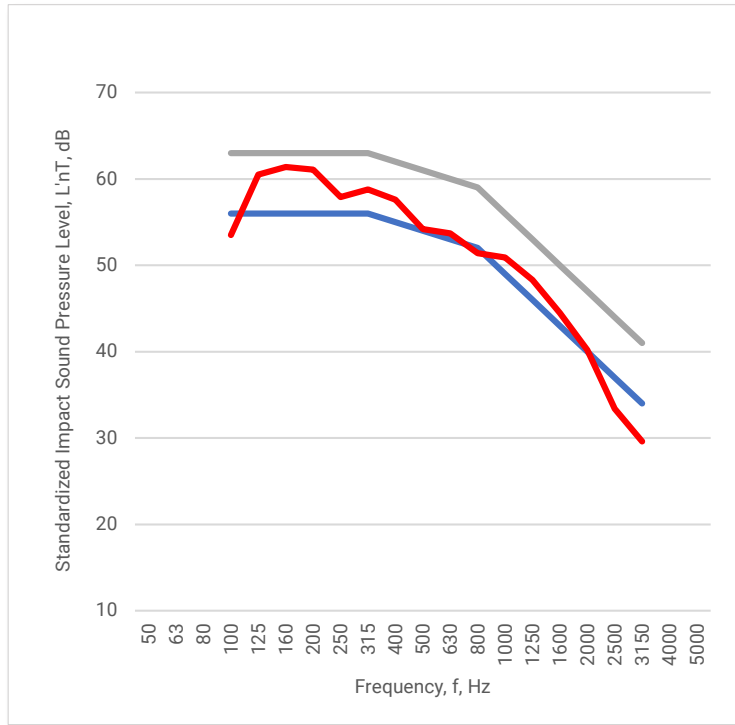
### Untreated Ceiling Impact Results

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  | 53.5       |
| 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 | -          |



L'nT,w = 54 dB

Rating in accordance to ISO 717-2

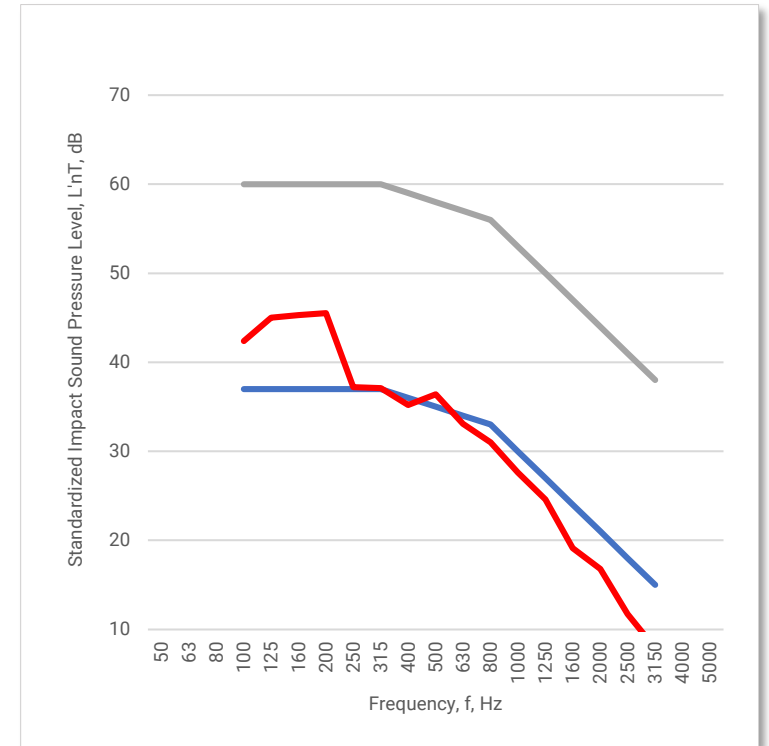
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
Receiving Room Volume: 76 m³

### Additional Ceiling Build-Up:

|                                 |              |                              |             |
|---------------------------------|--------------|------------------------------|-------------|
| 3mm Skim                        |              | 75mm Mineral Wool   60 kg/m³ | (4.5 kg/m²) |
| 15mm Acoustic Board             | (12.5 kg/m²) | Original Ceiling Make-Up     | (368 kg/m²) |
| Tecsound SY70                   | (7 kg/m²)    |                              |             |
| 19mm SoundPlank                 | (15 kg/m²)   |                              |             |
| MuteClip® and MuteClip® Channel |              |                              |             |
| 50mm Battens at 400mm Centres   |              |                              |             |

| 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 | -          |



L'nT,w = 35 dB

Rating in accordance to ISO 717-2

# MuteClip® Performance Data

## Concrete Ceiling | MuteClip® Concrete Stud Double Plus

### Untreated Ceiling Airborne Results

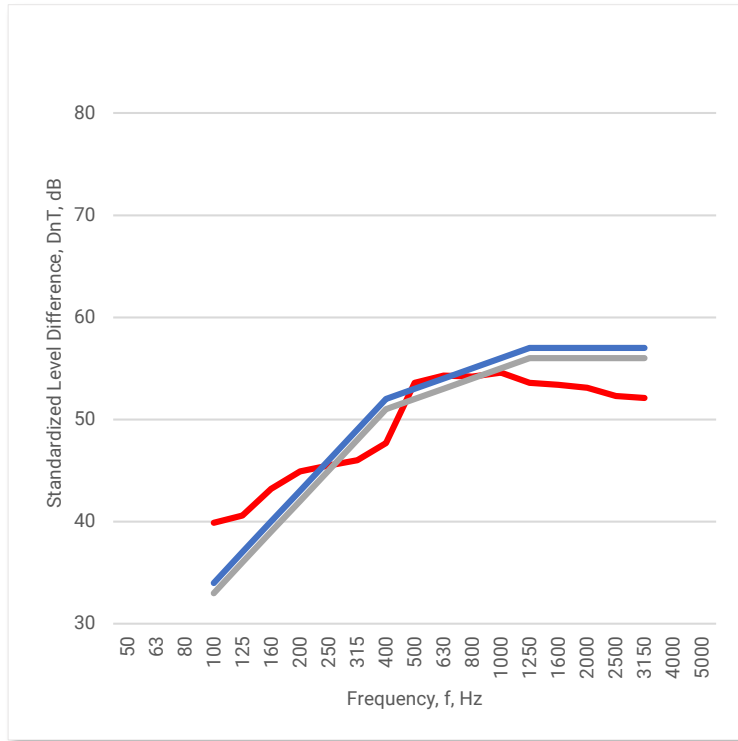
Weighted Standardized Level Difference according to ISO 717-1

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  | 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 | -          |



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

Rating in accordance to ISO 717-1

### Treated Ceiling Airborne Results

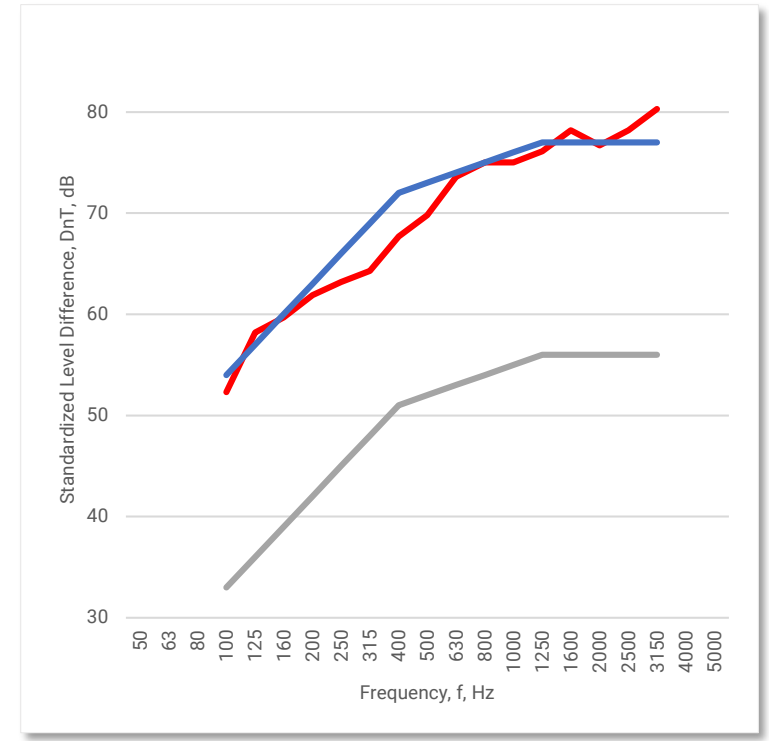
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76 m³

### Additional Ceiling Build-Up:

|                                 |              |                              |             |
|---------------------------------|--------------|------------------------------|-------------|
| 3mm Skim                        |              | 75mm Mineral Wool   60 kg/m³ | (4.5 kg/m²) |
| 15mm Acoustic Board             | (12.5 kg/m²) | Original Ceiling Make-Up     | (398 kg/m²) |
| Tecsound SY70                   | (7 kg/m²)    |                              |             |
| 19mm SoundPlank                 | (15 kg/m²)   |                              |             |
| MuteClip® and MuteClip® Channel |              |                              |             |
| 50mm Battens at 400mm Centres   |              |                              |             |

| 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 | -          |



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

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Timber Ceiling | MuteClip® Double Plus

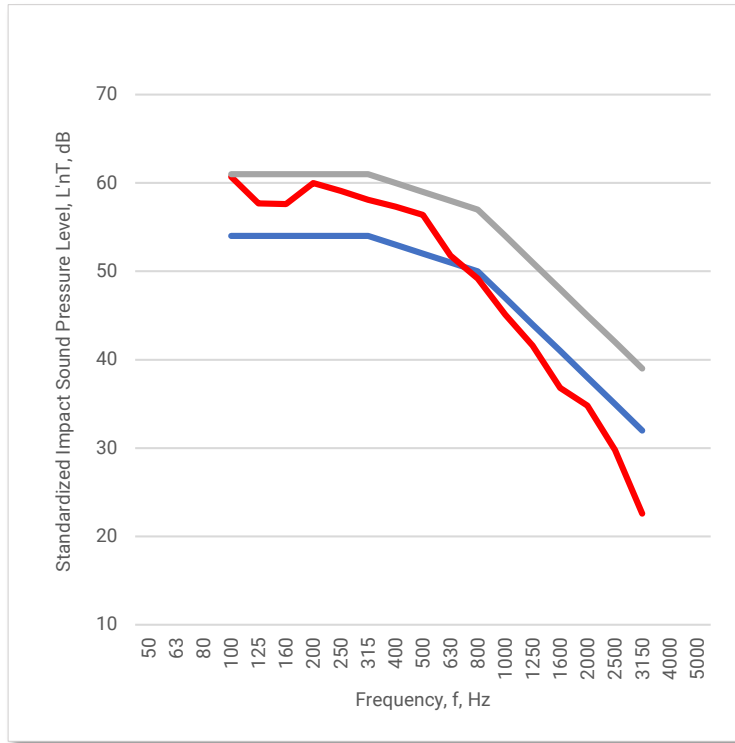
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
Receiving Room Volume: 26 m³

### Ceiling Build-Up:

|                                     |              |                                 |              |
|-------------------------------------|--------------|---------------------------------|--------------|
| 16mm Engineered Floor               | (9.1 kg/m²)  | MuteClip® and MuteClip® Channel |              |
| 2mm Sponge Underlay                 | (0.2 kg/m²)  | 19mm SoundPlank                 | (15 kg/m²)   |
| 18mm T&G Chipboard                  | (10.2 kg/m²) | Tecsound SY70                   | (7 kg/m²)    |
| 225mm x 50mm Joists (400mm Centres) |              | 15mm Acoustic Board             | (12.5 kg/m²) |
| 150mm Mineral Wool   60 kg/m³       | (9 kg/m²)    | 2mm Skim                        |              |

| 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 | -          |



**L'nT,w (Ci) = 53 (0) dB**

Rating in accordance to ISO 717-2

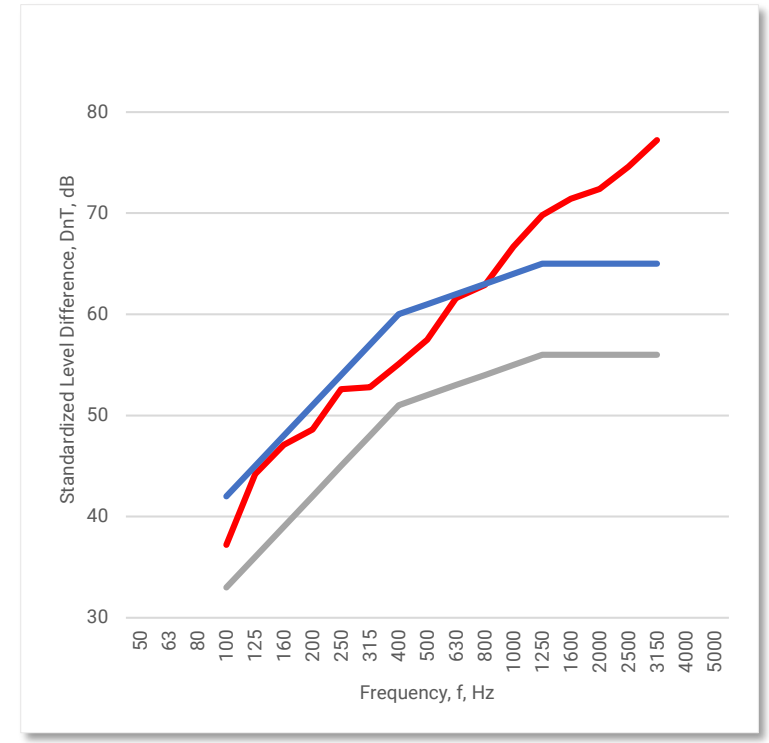
### Treated Ceiling Airborne Results

Weighted Standardized Level Difference according to ISO 717-1  
Receiving Room Volume: 26 m³

### Ceiling Build-Up:

|                                     |              |                                 |              |
|-------------------------------------|--------------|---------------------------------|--------------|
| 16mm Engineered Floor               | (9.1 kg/m²)  | MuteClip® and MuteClip® Channel |              |
| 2mm Sponge Underlay                 | (0.2 kg/m²)  | 19mm SoundPlank                 | (15 kg/m²)   |
| 18mm T&G Chipboard                  | (10.2 kg/m²) | Tecsound SY70                   | (7 kg/m²)    |
| 225mm x 50mm Joists (400mm Centres) |              | 15mm Acoustic Board             | (12.5 kg/m²) |
| 150mm Mineral Wool   60 kg/m³       | (9 kg/m²)    | 2mm Skim                        |              |

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 37.2       |
| 125  | 44.2       |
| 160  | 47.1       |
| 200  | 48.6       |
| 250  | 52.6       |
| 315  | 52.8       |
| 400  | 55.1       |
| 500  | 57.5       |
| 630  | 61.6       |
| 800  | 62.9       |
| 1000 | 66.7       |
| 1250 | 69.8       |
| 1600 | 71.4       |
| 2000 | 72.4       |
| 2500 | 74.6       |
| 3150 | 77.2       |
| 4000 | -          |
| 5000 | -          |



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

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Timber Ceiling | MuteClip® Double (No Tecsound)

### Treated Ceiling Airborne Results

Weighted Standardized Level Difference according to ISO 717-1

Source Room Volume: 110 m³ | Receiving Room Volume: 84 m³

### Ceiling Build-Up:

22mm Chipboard (15 kg/m²)

220mm Timber Joist

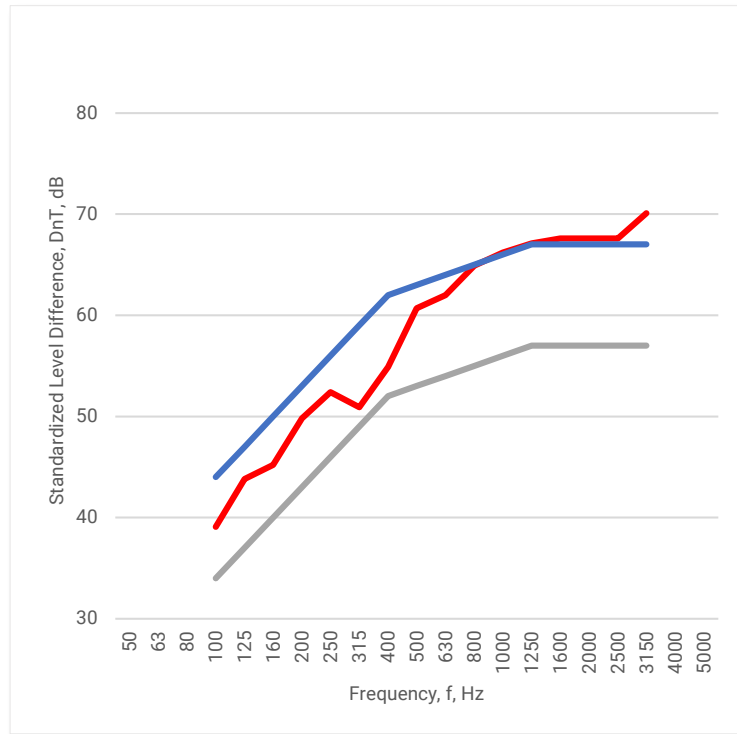
100mm Mineral Wool | 60 kg/m³ (6 kg/m²)

MuteClip® and MuteClip® Channel

15mm Acoustic Plasterboard (12.5 kg/m²)

15mm Acoustic Plasterboard (12.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 39.1       |
| 125  | 43.8       |
| 160  | 45.2       |
| 200  | 49.8       |
| 250  | 52.4       |
| 315  | 50.9       |
| 400  | 54.9       |
| 500  | 60.7       |
| 630  | 62.0       |
| 800  | 64.9       |
| 1000 | 66.2       |
| 1250 | 67.1       |
| 1600 | 67.6       |
| 2000 | 67.6       |
| 2500 | 67.6       |
| 3150 | 70.1       |
| 4000 | -          |
| 5000 | -          |



DnT,w (C;Ctr) = 62 (-2;-7) dB

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Timber Ceiling and Flooring | MuteClip® Double (No Tecsound) and MuteMat® OSF 750-10

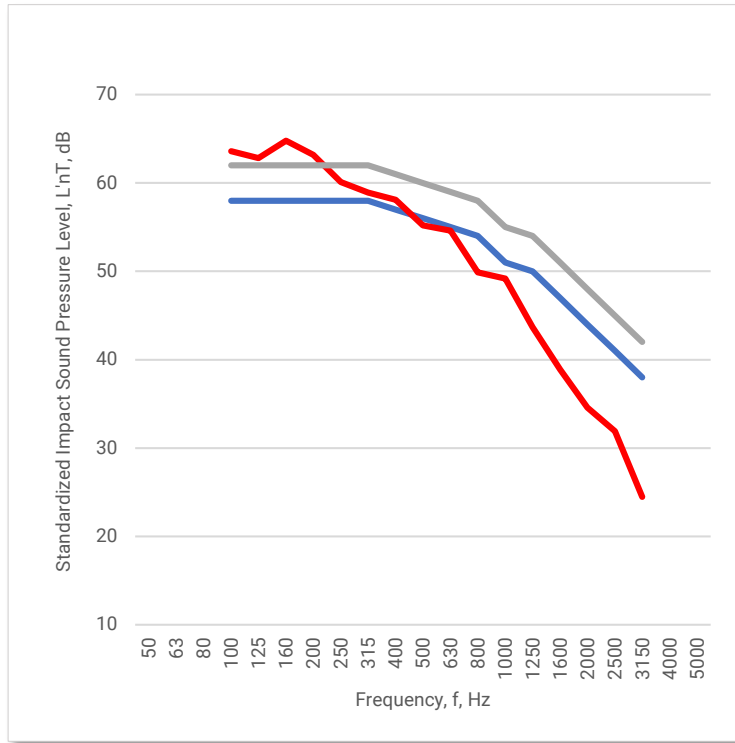
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
Receiving Room Volume: 76 m³

### Ceiling Build-Up:

|                                 |              |
|---------------------------------|--------------|
| 22mm Chipboard                  | (15 kg/m²)   |
| 220mm Timber Joist              |              |
| 100mm Mineral Wool   60 kg/m³   | (6 kg/m²)    |
| MuteClip® and MuteClip® Channel |              |
| 15mm Acoustic Plasterboard      | (12.5 kg/m²) |
| 15mm Acoustic Plasterboard      | (12.5 kg/m²) |

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 63.6       |
| 125  | 62.8       |
| 160  | 64.8       |
| 200  | 63.2       |
| 250  | 60.1       |
| 315  | 58.9       |
| 400  | 58.1       |
| 500  | 55.2       |
| 630  | 54.6       |
| 800  | 49.9       |
| 1000 | 49.2       |
| 1250 | 43.7       |
| 1600 | 38.9       |
| 2000 | 34.6       |
| 2500 | 31.9       |
| 3150 | 24.5       |
| 4000 | -          |
| 5000 | -          |



L'nT,w (Ci) = 56 (0) dB

Rating in accordance to ISO 717-2

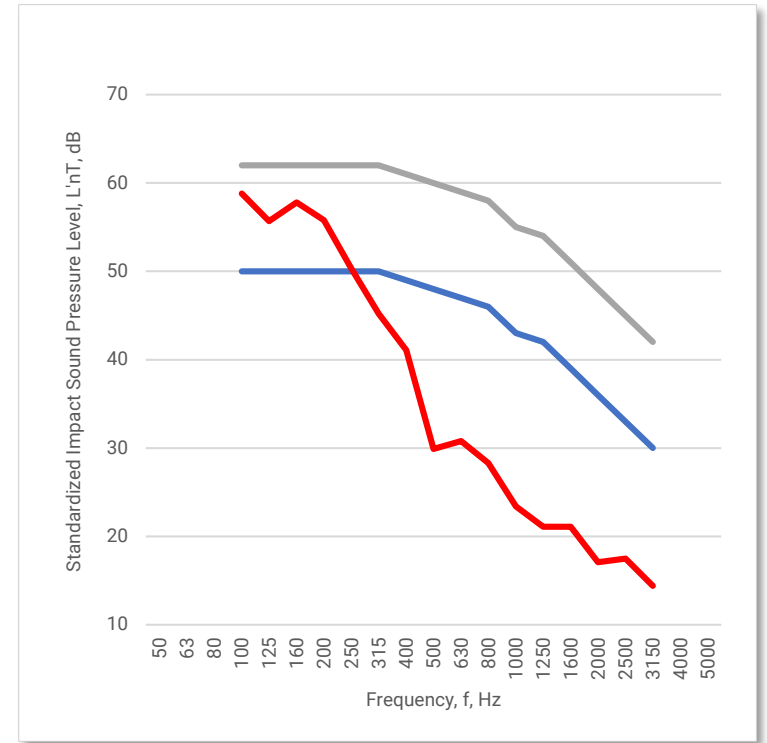
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
Receiving Room Volume: 76 m³

### Additional Flooring System:

|                          |             |
|--------------------------|-------------|
| MuteMat® OSF 750-10      | (7.5 kg/m²) |
| Original Ceiling Make-Up | (46 kg/m²)  |

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 58.8       |
| 125  | 55.7       |
| 160  | 57.8       |
| 200  | 55.8       |
| 250  | 50.3       |
| 315  | 45.2       |
| 400  | 41.1       |
| 500  | 29.9       |
| 630  | 30.8       |
| 800  | 28.3       |
| 1000 | 23.4       |
| 1250 | 21.1       |
| 1600 | 21.1       |
| 2000 | 17.1       |
| 2500 | 17.5       |
| 3150 | 14.4       |
| 4000 | -          |
| 5000 | -          |



L'nT,w (Ci) = 48 (1) dB

Rating in accordance to ISO 717-2

# MuteClip® Performance Data

## Timber Ceiling and Flooring | MuteClip® Double, Versafloor® and MuteMat OSF 750-10

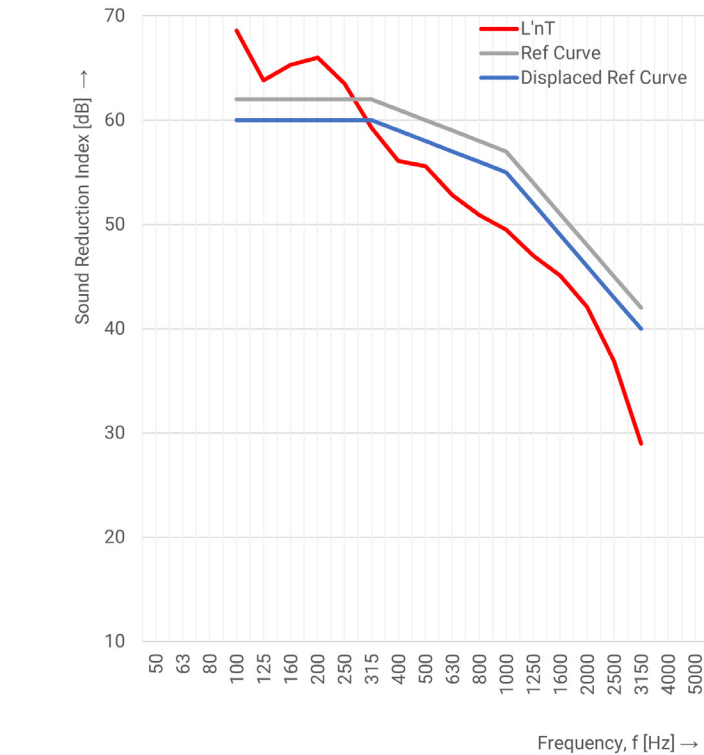
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
 Receiving Source Room Volume: 44 m³ | Receiving Room Volume: 30 m³

### Ceiling Build-Up:

22mm Versafloor (25 kg/m²) Tecsound SY70 (7 kg/m³)  
 Isolation Strip P8 15mm Acoustic Plasterboard (12.5 kg/m²)  
 220mm Timber Joist  
 150mm Mineral Wool | 60 kg/m³ (9 kg/m²)  
 MuteClip® and MuteClip® Channel  
 15mm Acoustic Plasterboard (12.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 68.6       |
| 125  | 63.8       |
| 160  | 65.3       |
| 200  | 66         |
| 250  | 63.5       |
| 315  | 59.3       |
| 400  | 56.1       |
| 500  | 55.6       |
| 630  | 52.8       |
| 800  | 50.9       |
| 1000 | 49.5       |
| 1250 | 47         |
| 1600 | 45.1       |
| 2000 | 42.1       |
| 2500 | 36.9       |
| 3150 | 29         |
| 4000 | -          |
| 5000 | -          |



L'nT,w (Ci) = 58 (0) dB

Rating in accordance to ISO 717-2

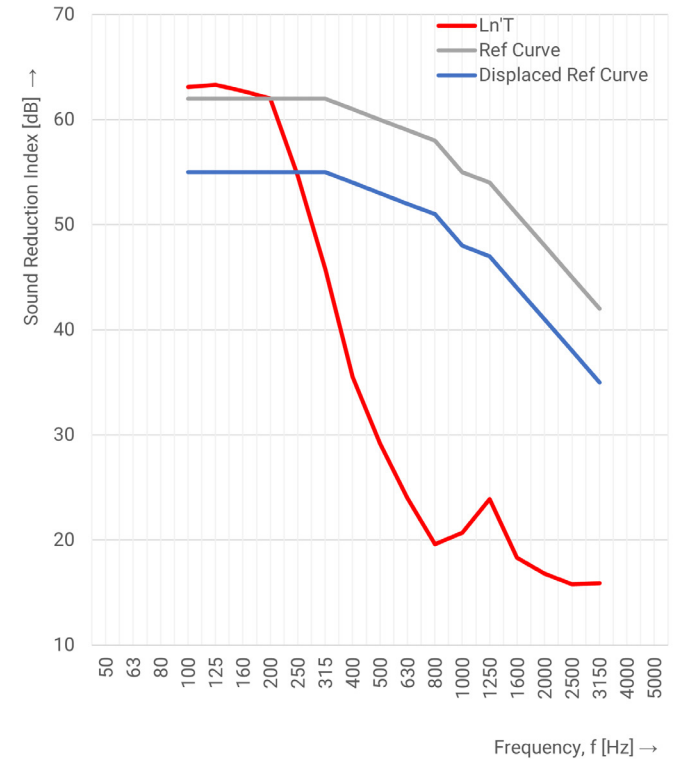
### Treated Ceiling Impact Results

Weighted Normalized Impact Sound Pressure Level according to ISO 717-2  
 Source Room Volume: 44 m³ | Receiving Room Volume: 30 m³

### Additional Flooring System:

MuteMat® OSF 750-10 (7.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 63.1       |
| 125  | 63.3       |
| 160  | 62.7       |
| 200  | 62         |
| 250  | 54.7       |
| 315  | 45.8       |
| 400  | 35.5       |
| 500  | 29.2       |
| 630  | 24         |
| 800  | 19.6       |
| 1000 | 20.7       |
| 1250 | 23.9       |
| 1600 | 18.3       |
| 2000 | 16.8       |
| 2500 | 15.8       |
| 3150 | 15.9       |
| 4000 | -          |
| 5000 | -          |



L'nT,w (Ci) = 53 (1) dB

Rating in accordance to ISO 717-2

# MuteClip® Performance Data

## Timber Ceiling | MuteClip® Double, Versafloor® and MuteMat OSF 750-10

### Treated Ceiling Airborne Results

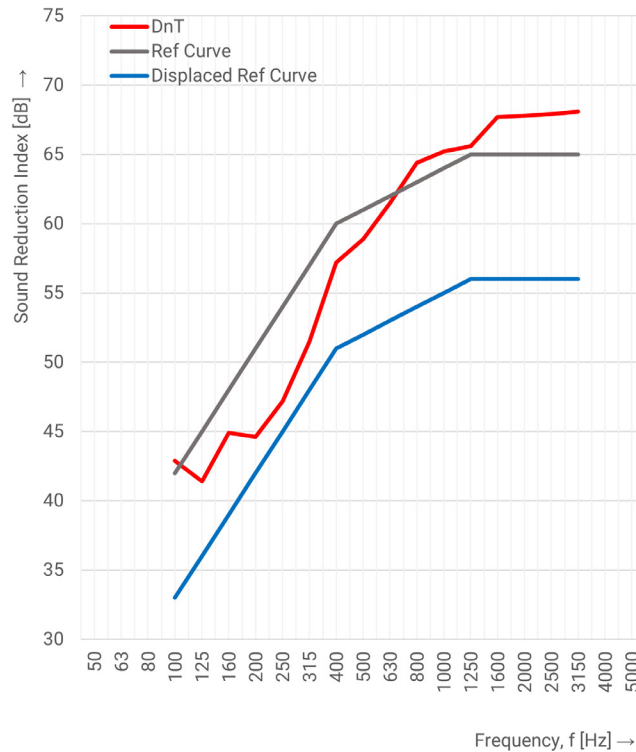
Weighted Standardized Level Difference according to ISO 717-1

Source Room Volume: 44 m³ | Receiving Room Volume: 30 m³

### Ceiling Build-Up:

|                                 |              |                            |              |
|---------------------------------|--------------|----------------------------|--------------|
| 22mm Versafloor                 | (25 kg/m²)   | Tecsound SY70              | (7 kg/m³)    |
| Isolation Strip P8              |              | 15mm Acoustic Plasterboard | (12.5 kg/m²) |
| 220mm Timber Joist              |              |                            |              |
| 150mm Mineral Wool   60 kg/m³   | (9 kg/m²)    |                            |              |
| MuteClip® and MuteClip® Channel |              |                            |              |
| 15mm Acoustic Plasterboard      | (12.5 kg/m²) |                            |              |

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 42.9       |
| 125  | 41.4       |
| 160  | 44.9       |
| 200  | 44.6       |
| 250  | 47.2       |
| 315  | 51.5       |
| 400  | 57.2       |
| 500  | 58.9       |
| 630  | 61.5       |
| 800  | 64.4       |
| 1000 | 65.2       |
| 1250 | 65.6       |
| 1600 | 67.7       |
| 2000 | 67.8       |
| 2500 | 67.9       |
| 3150 | 68.1       |
| 4000 | -          |
| 5000 | -          |



DnT,w (C;Ctr) = 61 (-2;-7) dB

Rating in accordance to ISO 717-1



# MuteClip® Performance Data

## Masonry Wall | MuteClip® Stud Double Plus

### Treated Wall Airborne Results

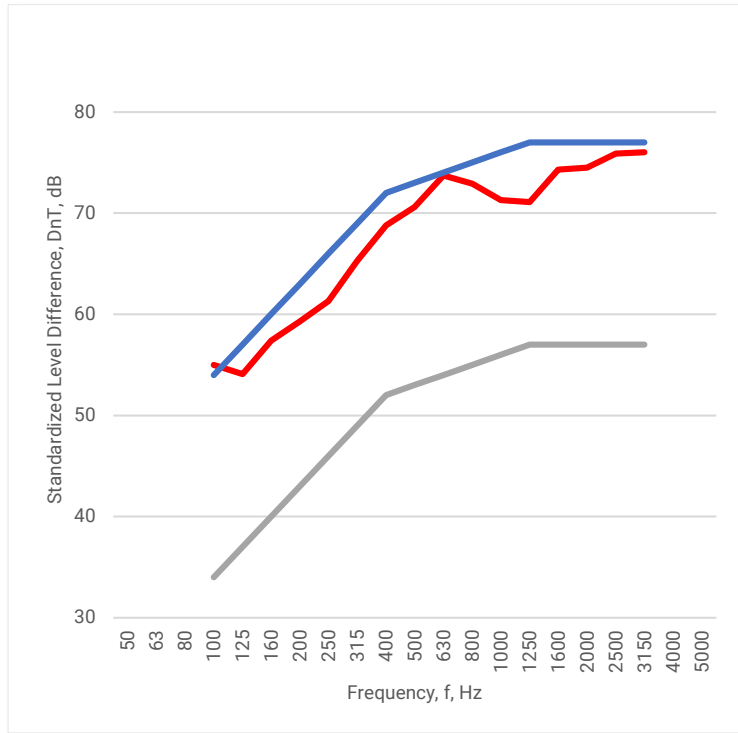
Weighted Standardized Level Difference according to ISO 717-1

Source Room Volume: 135m³ | Receiving Room Volume: 39m³

### Wall Build-Up:

3mm Skim  
 15mm Acoustic Board (12.5 kg/m²) | 100mm Mineral Wool | 60 kg/m³ (6 kg/m²)  
 Tecsound SY70 (7 kg/m²) | Original Wall Make-Up  
 19mm SoundPlank (15 kg/m²)  
 MuteClip® and MuteClip® Channel  
 50mm Battens at 600mm Centres

| Hz   | 1/3 Octave |
|------|------------|
| 50   | -          |
| 63   | -          |
| 80   | -          |
| 100  | 55.0       |
| 125  | 54.1       |
| 160  | 57.4       |
| 200  | 59.3       |
| 250  | 61.3       |
| 315  | 65.3       |
| 400  | 68.8       |
| 500  | 70.6       |
| 630  | 73.7       |
| 800  | 72.9       |
| 1000 | 71.3       |
| 1250 | 71.1       |
| 1600 | 74.3       |
| 2000 | 74.5       |
| 2500 | 75.9       |
| 3150 | 76         |
| 4000 | -          |
| 5000 | -          |



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

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Masonry Wall | MuteClip® Double

### Treated Wall Airborne Results

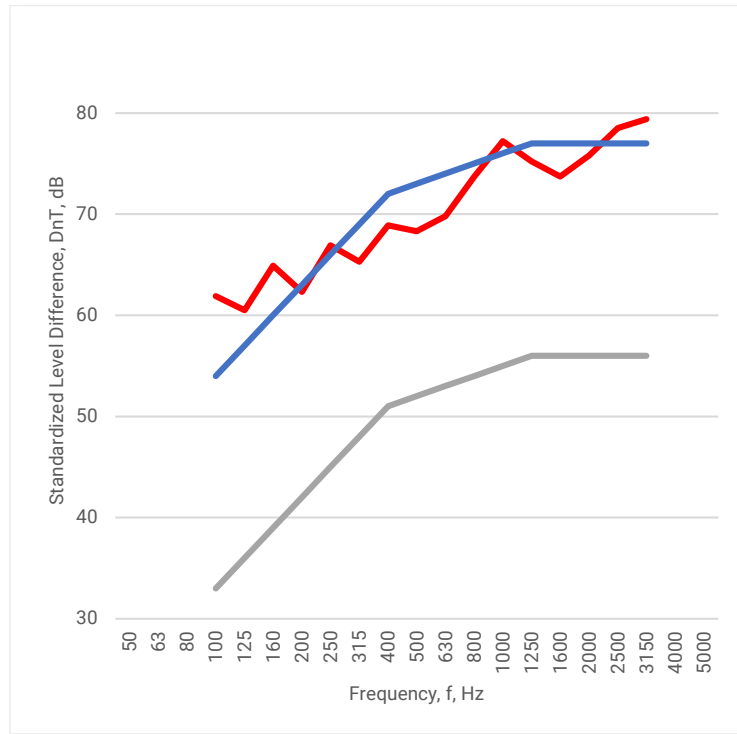
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 20m³

### Wall Build-Up:

|                                 |              |                      |             |
|---------------------------------|--------------|----------------------|-------------|
| 3mm Skim                        |              | 100mm Concrete Block | (322 kg/m²) |
| 15mm Acoustic Board             | (12.5 kg/m²) | 100mm Air Cavity     |             |
| Tecsound SY70                   | (7 kg/m²)    | 100mm Concrete Block | (322 kg/m²) |
| 15mm Acoustic Board             | (12.5 kg/m²) |                      |             |
| MuteClip® and MuteClip® Channel |              |                      |             |
| 30mm Mineral Wool   60 kg/m³    | (1.8 kg/m²)  |                      |             |

| 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 | -          |



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

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Timber Wall | MuteClip® Double

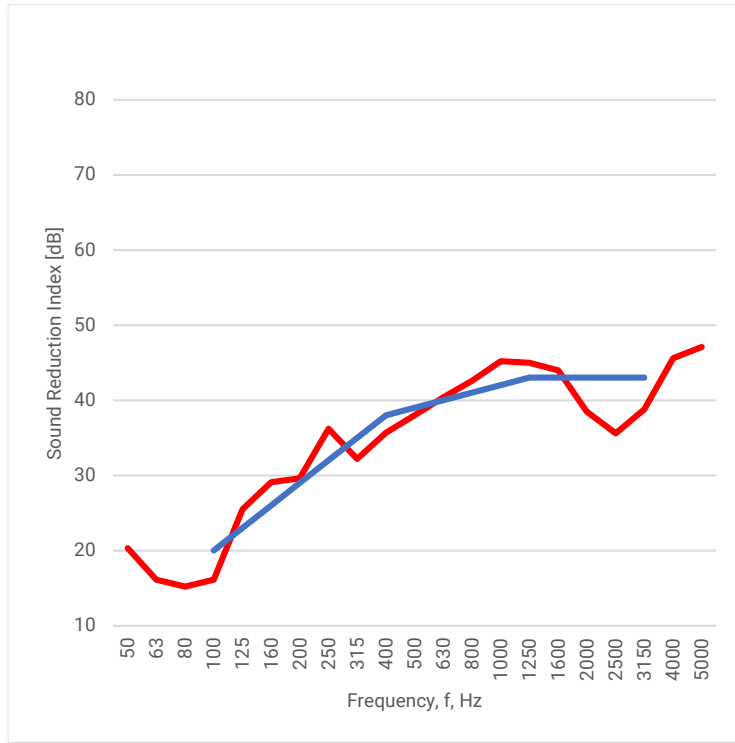
### Untreated Wall Airborne Results

Weighted Standardized Level Difference according to ISO 717-1  
 Source Room Volume: 136m³ | Receiving Room Volume : 220 m³

### Wall Build-Up:

15mm Acoustic Board (12.5 kg/m²)  
 95mm Stud Wall (Hollow)  
 15mm Acoustic Board (12.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | 20.3       |
| 63   | 16.1       |
| 80   | 15.2       |
| 100  | 16.1       |
| 125  | 25.5       |
| 160  | 29.1       |
| 200  | 29.6       |
| 250  | 36.2       |
| 315  | 32.2       |
| 400  | 35.7       |
| 500  | 38.0       |
| 630  | 40.4       |
| 800  | 42.6       |
| 1000 | 45.2       |
| 1250 | 45.0       |
| 1600 | 44.0       |
| 2000 | 38.5       |
| 2500 | 35.6       |
| 3150 | 38.8       |
| 4000 | 45.6       |
| 5000 | 47.1       |



Rw (C;Ctr) = 39 (-1;-5) dB

Rating in accordance to ISO 717-1

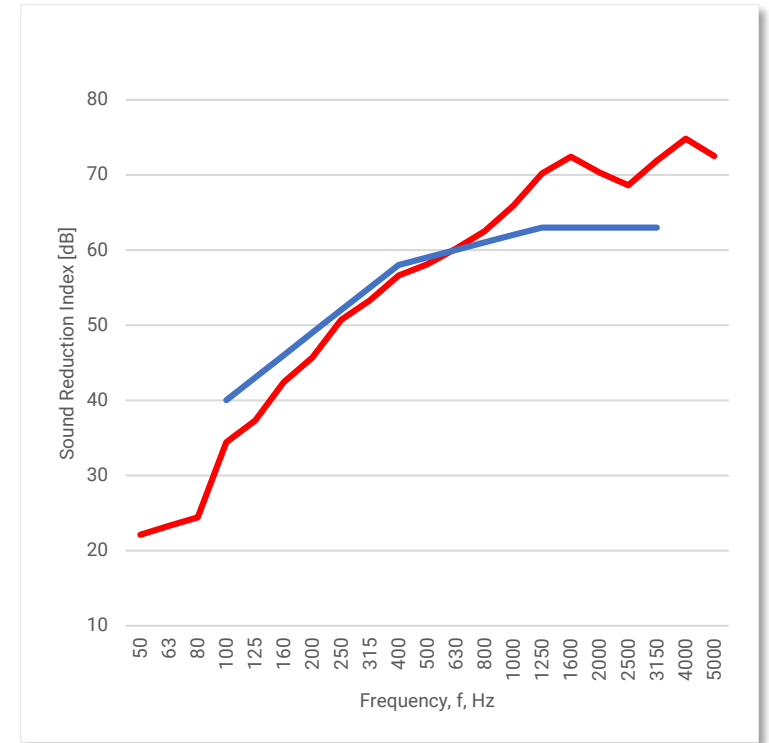
### Treated Wall Airborne Results

Weighted Standardized Level Difference according to ISO 717-1  
 Source Room Volume: 136m³ | Receiving Room Volume : 220 m³

### Additional Wall Build-Up:

15mm Acoustic Board (12.5 kg/m²) | 15mm Acoustic Board (12.5 kg/m²)  
 Tecsound SY70 (7 kg/m²)  
 15mm Acoustic Board (12.5 kg/m²)  
 MuteClip® and MuteClip® Channel  
 95mm Stud Wall  
 75mm Mineral Wool | 60 kg/m³ (4.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | 22.1       |
| 63   | 23.3       |
| 80   | 24.4       |
| 100  | 34.4       |
| 125  | 37.3       |
| 160  | 42.4       |
| 200  | 45.7       |
| 250  | 50.7       |
| 315  | 53.3       |
| 400  | 56.6       |
| 500  | 58.1       |
| 630  | 60.2       |
| 800  | 62.5       |
| 1000 | 65.9       |
| 1250 | 70.2       |
| 1600 | 72.4       |
| 2000 | 70.3       |
| 2500 | 68.6       |
| 3150 | 71.9       |
| 4000 | 74.8       |
| 5000 | 72.5       |



Rw (C;Ctr) = 59 (-2;-8) dB

Rating in accordance to ISO 717-1

# MuteClip® Performance Data

## Timber Wall | MuteClip® Single

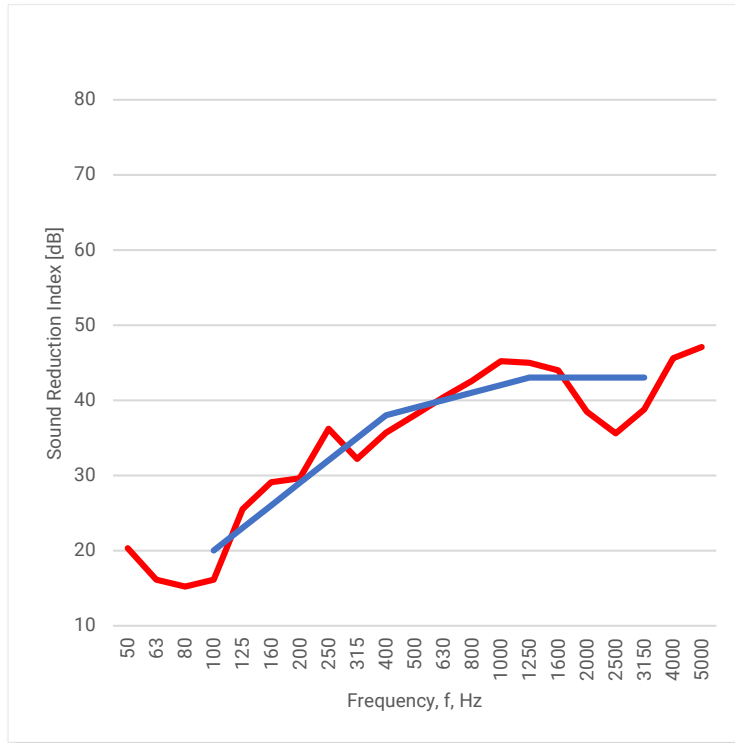
### Untreated Wall Airborne Results

Weighted Standardized Level Difference according to ISO 717-1  
 Source Room Volume: 136m³ | Receiving Room Volume : 220 m³

### Wall Build-Up:

15mm Acoustic Board (12.5 kg/m²)  
 95mm Stud Wall (Hollow)  
 15mm Acoustic Board (12.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | 20.3       |
| 63   | 16.1       |
| 80   | 15.2       |
| 100  | 16.1       |
| 125  | 25.5       |
| 160  | 29.1       |
| 200  | 29.6       |
| 250  | 36.2       |
| 315  | 32.2       |
| 400  | 35.7       |
| 500  | 38.0       |
| 630  | 40.4       |
| 800  | 42.6       |
| 1000 | 45.2       |
| 1250 | 45.0       |
| 1600 | 44.0       |
| 2000 | 38.5       |
| 2500 | 35.6       |
| 3150 | 38.8       |
| 4000 | 45.6       |
| 5000 | 47.1       |



Rw (C;Ctr) = 39 (-1;-5) dB

Rating in accordance to ISO 717-1

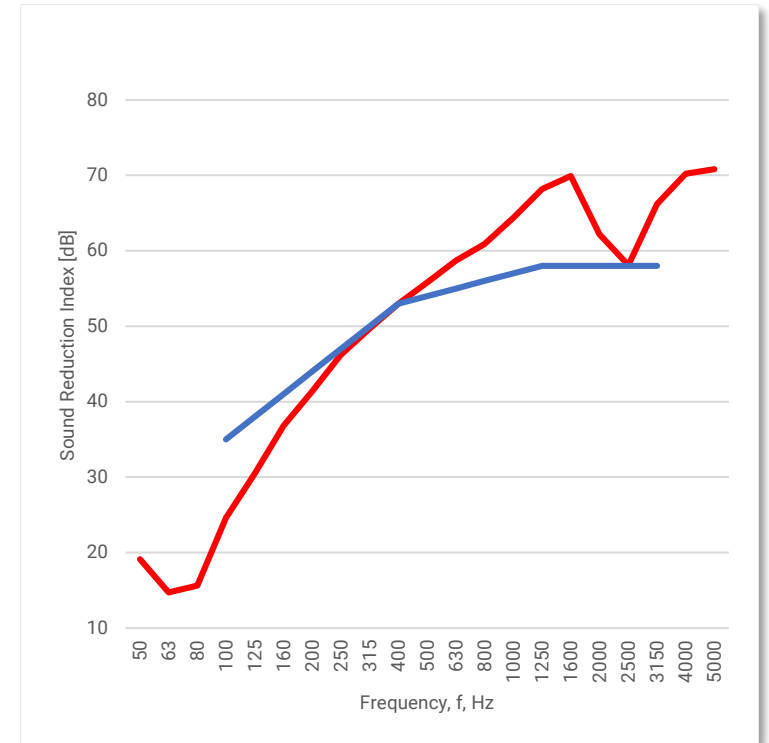
### Treated Wall Airborne Results

Weighted Standardized Level Difference according to ISO 717-1  
 Source Room Volume: 136m³ | Receiving Room Volume : 220 m³

### Additional Wall Build-Up:

15mm Acoustic Board (12.5 kg/m²)  
 MuteClip® and MuteClip® Channel  
 95mm Stud Wall  
 75mm Mineral Wool | 60 kg/m³ (4.5 kg/m²)  
 15mm Acoustic Board (12.5 kg/m²)

| Hz   | 1/3 Octave |
|------|------------|
| 50   | 19.1       |
| 63   | 14.7       |
| 80   | 15.6       |
| 100  | 24.6       |
| 125  | 30.5       |
| 160  | 36.8       |
| 200  | 41.4       |
| 250  | 46.2       |
| 315  | 49.7       |
| 400  | 53         |
| 500  | 55.8       |
| 630  | 58.7       |
| 800  | 60.9       |
| 1000 | 64.4       |
| 1250 | 68.2       |
| 1600 | 69.9       |
| 2000 | 62.2       |
| 2500 | 58.1       |
| 3150 | 66.2       |
| 4000 | 70.2       |
| 5000 | 70.8       |



Rw (C;Ctr) = 54 (-4;-11) dB

Rating in accordance to ISO 717-1