



# MuteClip® Systems Performance Data

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Ceiling  
Wall

# MuteClip® Performance Data

## MuteClip® Concrete Stud Double Plus

### Untreated Ceiling Impact Results

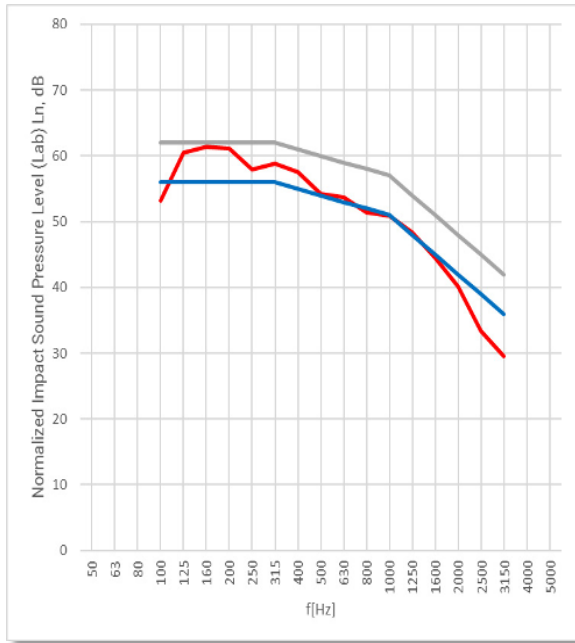
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

Receiving Room Volume : 76 m<sup>3</sup>

#### Ceiling Build-Up:

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

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

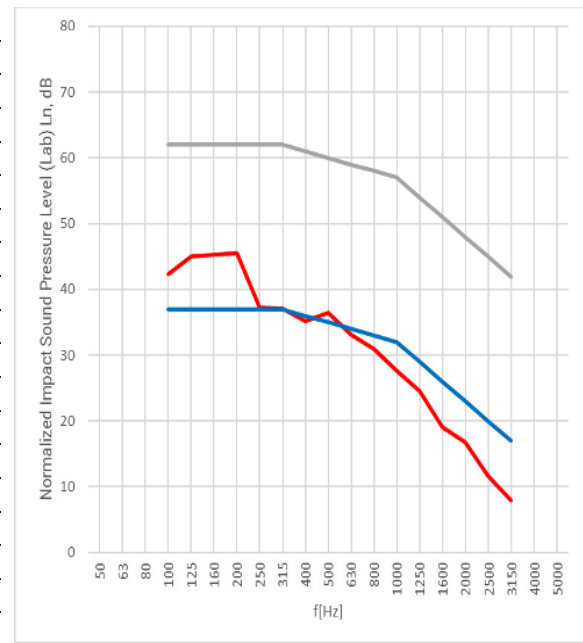
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

Receiving Room Volume : 76 m<sup>3</sup>

#### Additional Ceiling Build-Up:

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

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

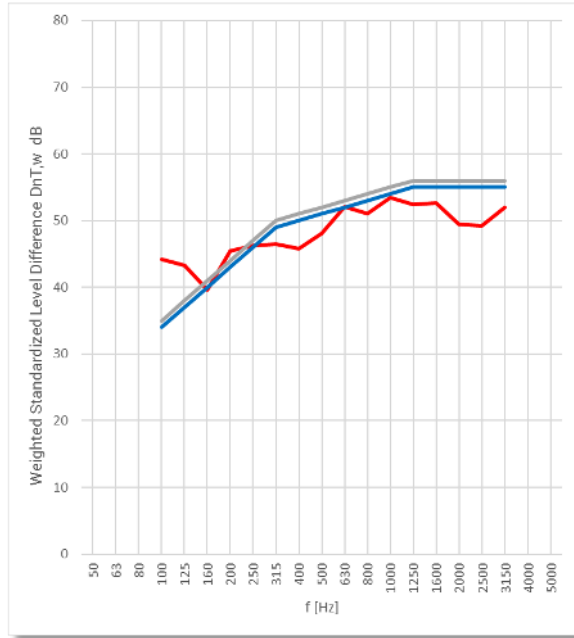
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76m<sup>3</sup>

#### Ceiling Build-Up:

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

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

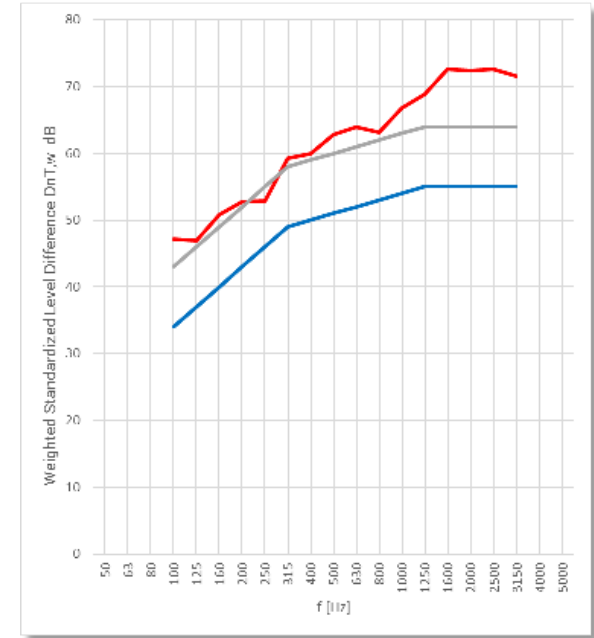
Weighted Standardized Level Difference according to ISO 717-1

Receiving Room Volume: 76m<sup>3</sup>

#### Additional Ceiling Build-Up:

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

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

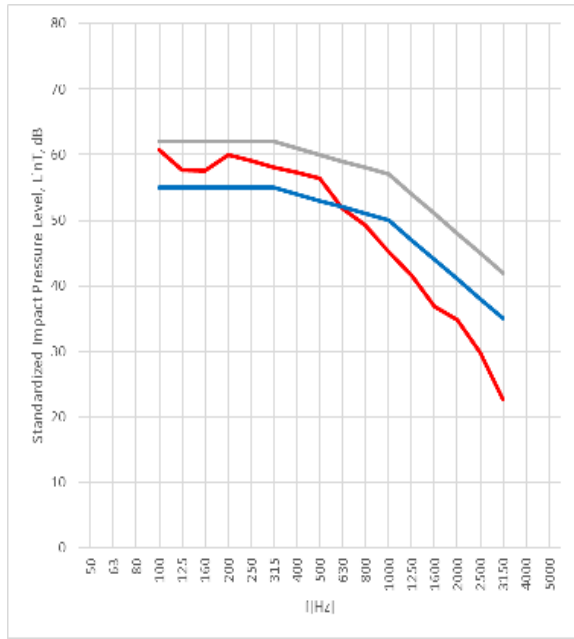
Weighted Normalized Impact Sound Pressure Level according to ISO 717-2

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

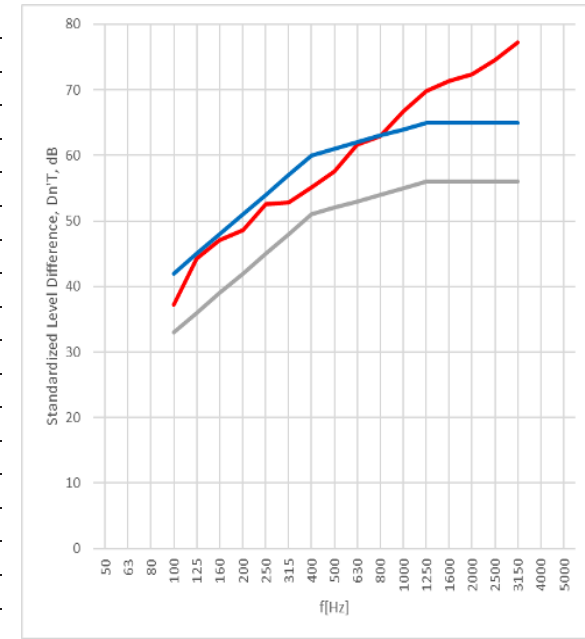
**L'nT,w = 53dB**

### 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: 135m<sup>3</sup>

Receiving Room Volume: 35m<sup>3</sup>

### Additional Wall Build-Up:

3mm Skim

MuteClip and MuteClip Channel

15mm Acoustic Board (12.5 kg/m<sup>2</sup>)

50mm Battens at 600mm Centres

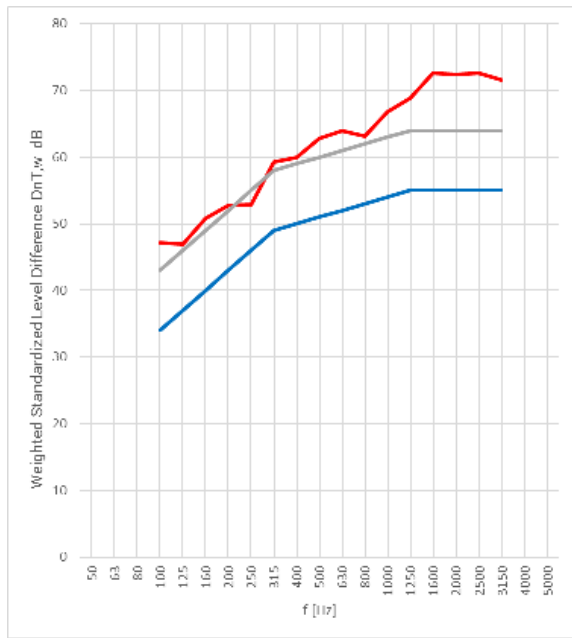
Tecsound SY70 (7 kg/m<sup>2</sup>)

100mm RW3 Rockwool (6 kg/m<sup>2</sup>)

19mm Sound Plank (15 kg/m<sup>2</sup>)

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: 135m<sup>3</sup>

Receiving Room Volume: 39m<sup>3</sup>

### Additional Wall Build-Up:

3mm Skim

MuteClip and MuteClip Channel

15mm Acoustic Board (12.5 kg/m<sup>2</sup>)

50mm Battens at 600mm Centres

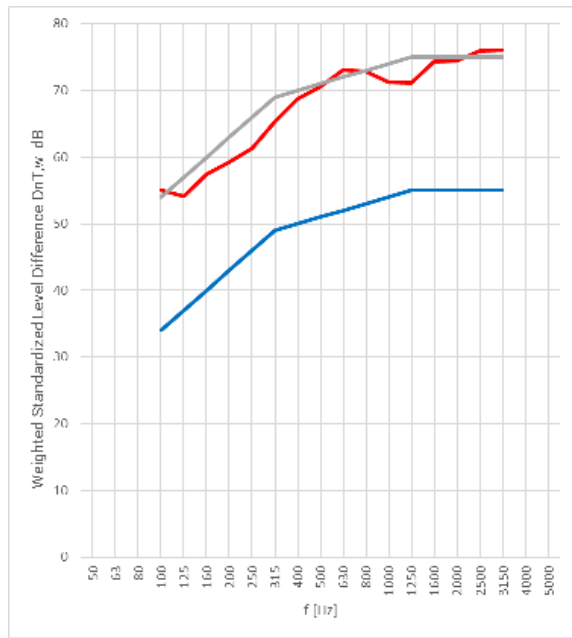
Tecsound SY70 (7 kg/m<sup>2</sup>)

100mm RW3 Rockwool (6 kg/m<sup>2</sup>)

19mm Sound Plank (15 kg/m<sup>2</sup>)

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

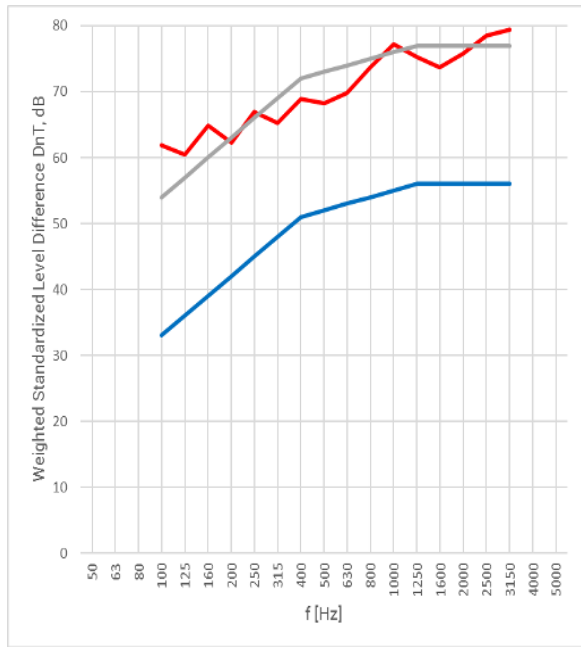
Weighted Standardized Level Difference according (DnT,w + Ctr) to ISO 717-1  
 Receiving Room Volume: 20m<sup>3</sup>

### Wall Build-Up

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

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**