

Treated Timber Ceiling airborne Results

Standardized Airborne level Difference According to ISO 717-1

Source Room Volume 78m³

Receiving room Volume 76m³

Ceiling Build up

18mm T+G Chipboard

195x50mm joists at 400mm centres

100mm RS60 Earthwool between studs

25mm ReductoClip and Furring bar

15mm Acoustic plasterboard

TecSound Sy100

15mm Acoustic plasterboard

M2 Weight

12Kg/m²

Not applicable

6.0 kg/m²

Not applicable

12.5 kg/m²

10 Kg/m²

12.5kg/m²

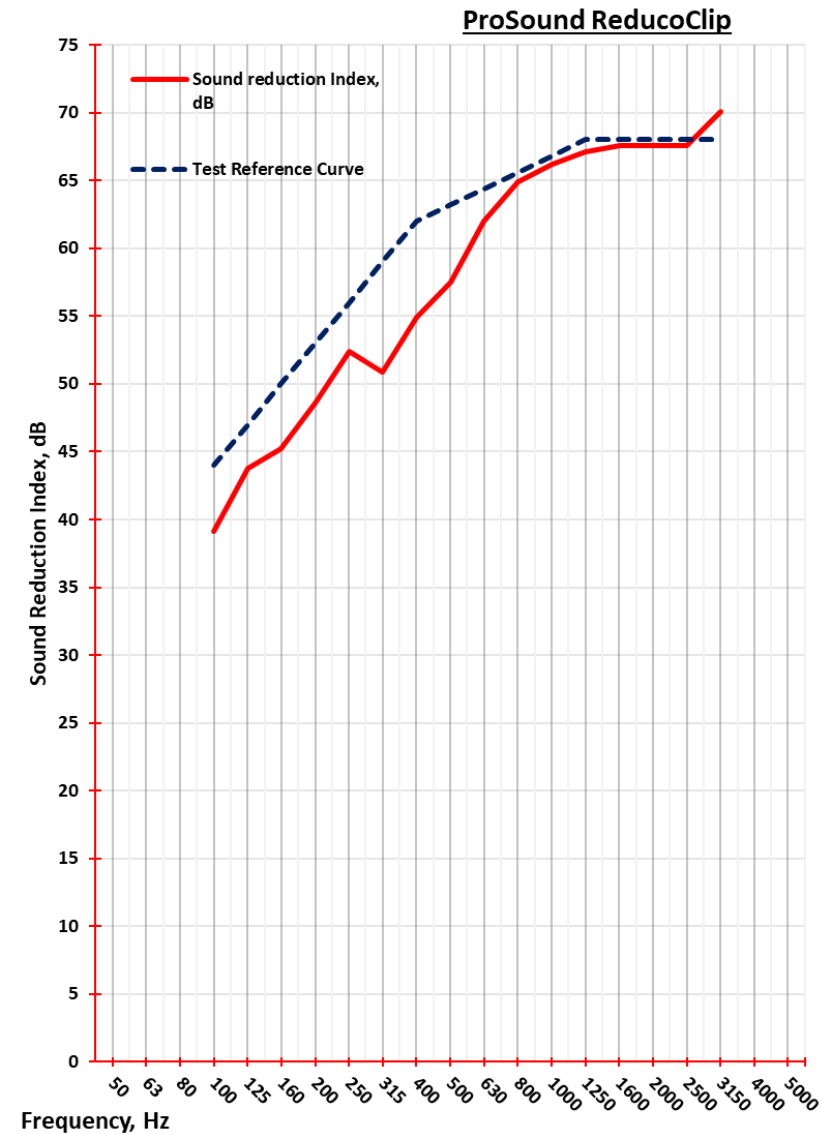
Freq in HZ	1/3 Octave
50	-
63	-
80	-
100	39.1
125	43.8
160	45.2
200	48.6
250	52.4
315	50.9
400	54.9
500	57.5
630	62
800	64.9
1000	66.2
1250	67.1
1600	67.6
2000	67.6
2500	67.6
3150	70.1
4000	-
5000	-

Airborne Test Result

Rating according to ISO 717-1

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

DnT,w + Ctr = 54 dB



Treated Timber Ceiling Impact Results

Standardized Airborne level Difference According to ISO 717-2

Source Room Volume 78m³

Receiving room Volume 76m³

Ceiling Build up

18mm T+G Chipboard

195x50mm joists at 400mm centres

100mm RS60 Earthwool between studs

25mm ReductoClip and Furring bar

15mm Acoustic plasterboard

TecSound Sy100

15mm Acoustic plasterboard

M2 Weight

12Kg/m²

Not applicable

6.0 kg/m²

Not applicable

12.5 kg/m²

10 Kg/m²

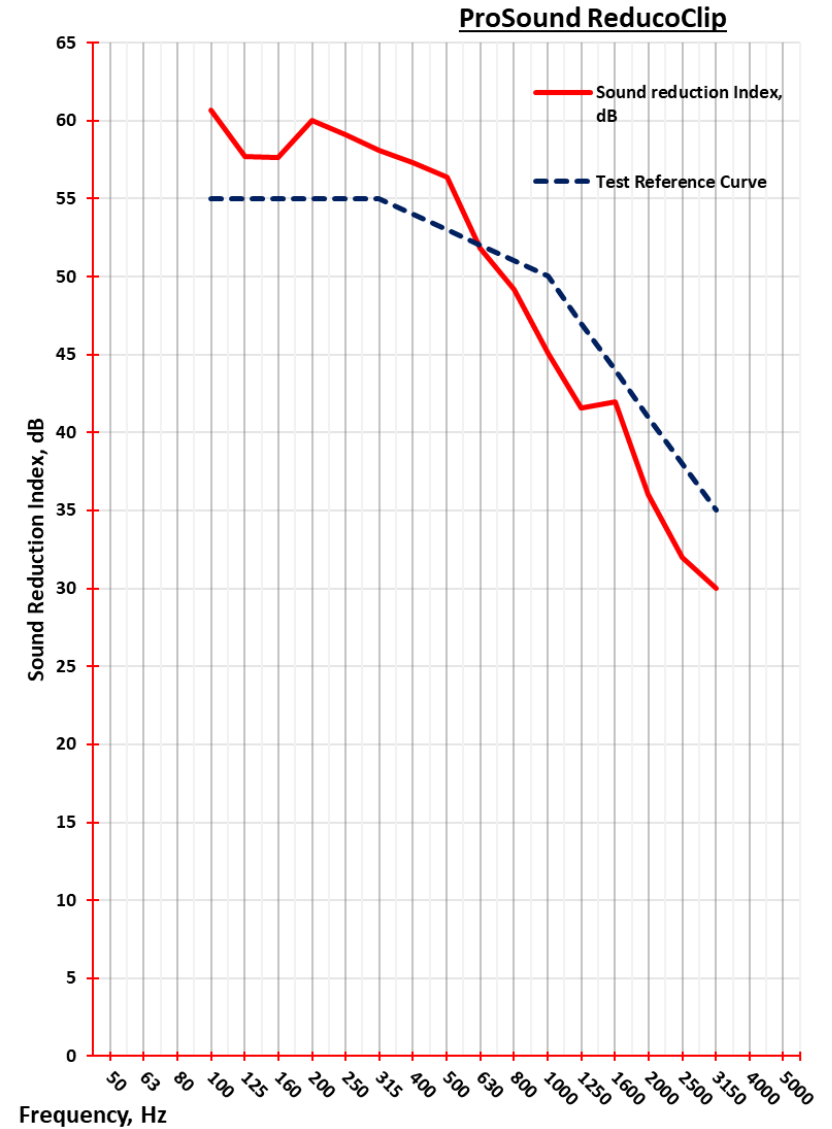
12.5kg/m²

Freq in 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	42
2000	36
2500	32
3150	30
4000	-
5000	-

Impact Test Result

Rating according to ISO 717-2

LnT,w = 55dB



Treated Concrete Ceiling airborne Results

Standardized Airborne level Difference According to ISO 717-1

Source Room Volume 24m³

Receiving room Volume 480m³

Ceiling Build up

140mm concrete Slab

25mm ReductoClip and Furring bar

25mm RS60 Earthwool fixed between bars

15mm Acoustic plasterboard

TecSound SY100

15mm Acoustic plasterboard

M2 Weight

322 Kg/m²

Not applicable

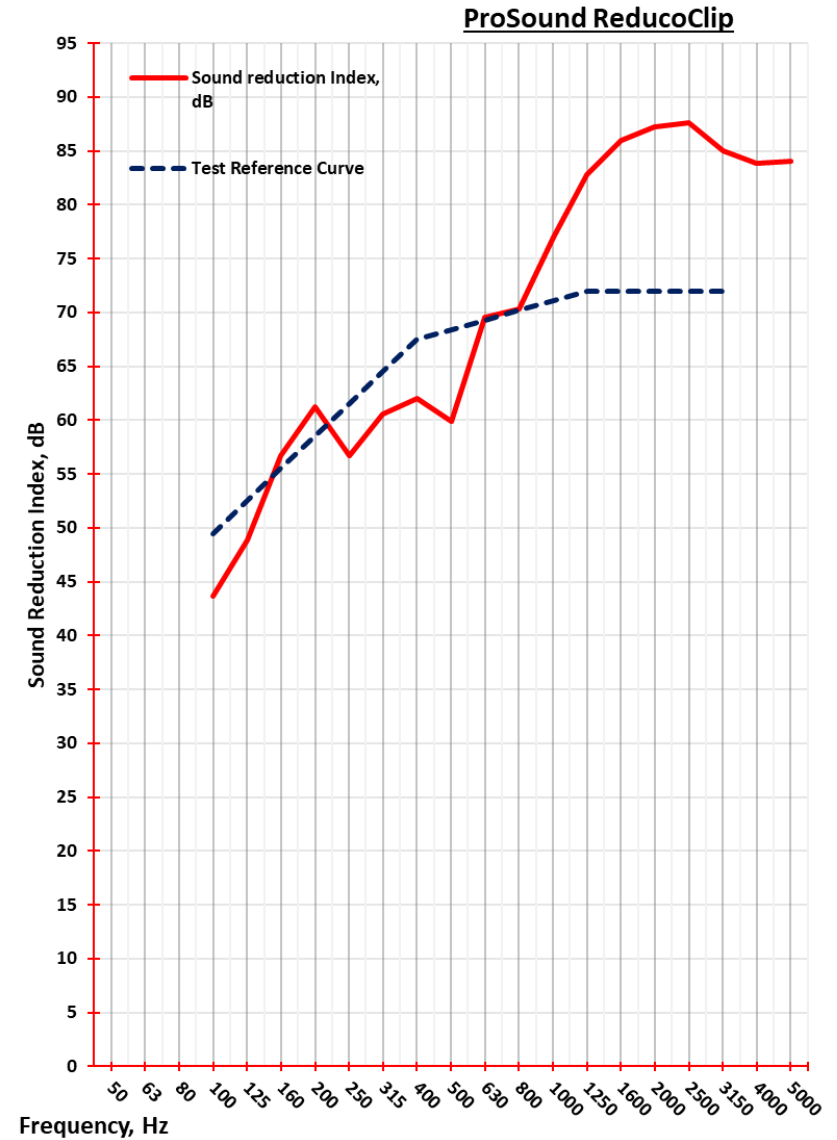
1.5kg/m²

12.5 kg/m²

10 Kg/m²

12.5kg/m²

Freq in HZ	1/3 Octave
50	
63	
80	
100	43.7
125	48.9
160	56.7
200	61.2
250	56.7
315	60.6
400	62
500	59.9
630	69.5
800	70.3
1000	77
1250	82.8 *
1600	86 *
2000	87.2 *
2500	87.6 *
3150	85 *
4000	83.8 *
5000	84 *



Airborne Test Result

Rating according to ISO 717-1

DnT,w (C;Ctr) = 68 dB (-2;-7)

DnT,w + Ctr = 61 dB

Notes

* Designates measurement corrected for background

Treated Concrete Ceiling Impact Results

Standardized Airborne level Difference According to ISO 717-2

Source Room Volume 24m³

Receiving room Volume 480m³

Ceiling Build up

140mm concrete Slab

25mm ReductoClip and Furring bar

25mm RS60 Earthwool fixed between bars

15mm Acoustic plasterboard

TecSound SY100

15mm Acoustic plasterboard

M2 Weight

322 Kg/m²

Not applicable

1.5kg/m²

12.5 kg/m²

10 Kg/m²

12.5kg/m²

Freq in 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	-

Impact Test Result

Rating according to ISO 717-2

LnT,w = 55dB

