

Treated Wall airborne Results

Standardized Airborne level Difference According to ISO 717-2

Source Room Volume 135m³

Receiving room Volume 39m³

Wall Build up

Single Brick wall—Original wall make up

10mm Airgap

50mm Timber Stud at 600mm Centres

50mm RS60 Earthwool between studs

25mm ReductoClip and Furring bar

15mm Acoustic plasterboard

TecSound Sy100

15mm Acoustic plasterboard

M2 Weight

Not applicable

3.0 kg/m²

Not applicable

12.5 kg/m²

10 Kg/m²

12.5kg/m²

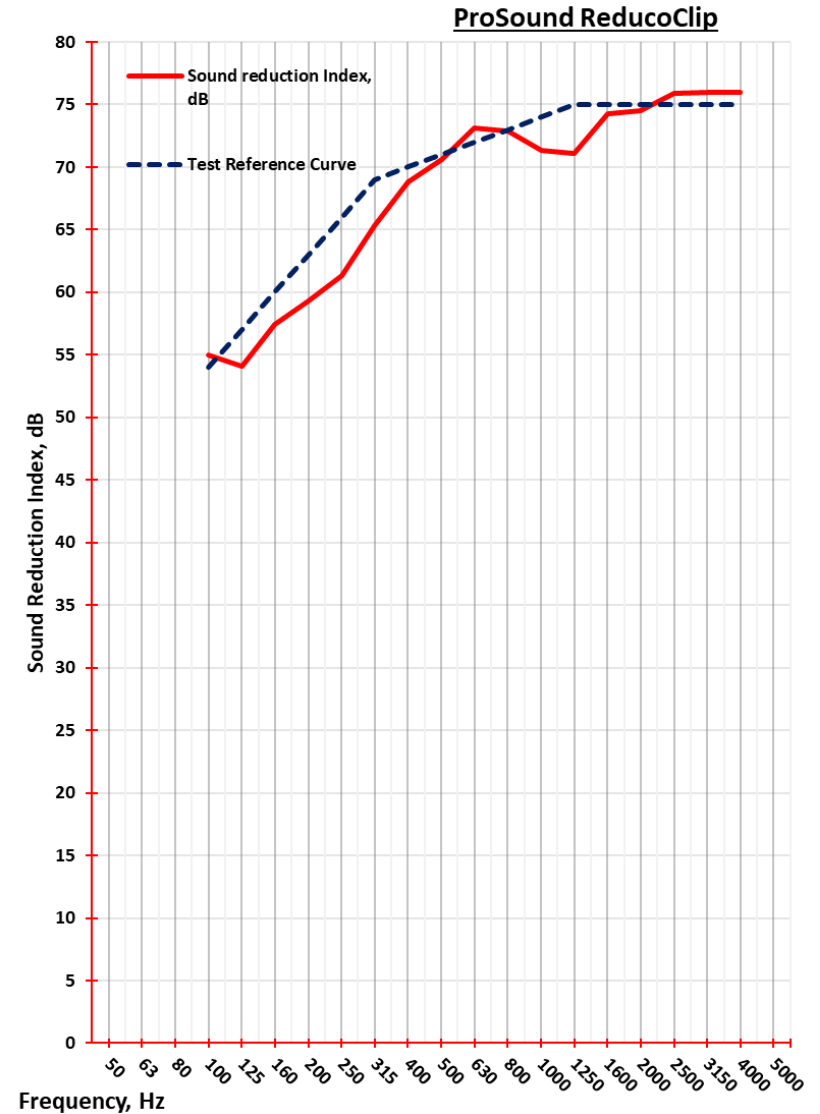
Freq in HZ	1/3 Octave
50	
63	
80	
100	55
125	54.1
160	57.4
200	59.3
250	61.3
315	65.3
400	68.8
500	70.6
630	73.1
800	72.9
1000	71.3
1250	71.1
1600	74.3
2000	74.5
2500	75.9
3150	76

Airborne Test Result

Rating according to ISO 717-1

DnT,w (C;Ctr) = 70 dB (-2;-5)

DnT,w + Ctr = 65 dB



Treated Wall airborne Results

Standardized Airborne level Difference According to ISO 717-2

Source Room Volume 35m³

Receiving room Volume 35m³

Wall Build up

Single Brick wall—Original wall make up

25mm Reductoclip and Furring bar

25mm RS60 Earthwool fixed between bars

15mm Acoustic plasterboard

TecSound Sy100

15mm Acoustic plasterboard

M2 Weight

Not applicable

1.5 kg/m²

12.5 kg/m²

10 Kg/m²

12.5kg/m²

Freq in HZ	1/3 Octave
50	
63	
80	
100	48.9
125	55.4
160	52.5
200	51.2
250	48
315	48.7
400	52.4
500	56.2
630	58.6
800	61.3
1000	63.1
1250	64.4
1600	63.1
2000	64.4
2500	62.6
3150	61.6

Airborne Test Result

Rating according to ISO 717-1

DnT,w (C;Ctr) = 59dB (-2;-3)

DnT,w + Ctr = 56 dB

