

Treated Wall airborne Results

Standardized Airborne level Difference According to ISO 717-1

Source Room Volume 42m³

Receiving room Volume 36m³

Wall Build up

Brick wall—Original wall make up

30mm Soundboard 4

M2 Weight

29Kg/m²

Freq in HZ	1/3 Octave
50	-
63	-
80	-
100	41.1
125	39.5
160	41.3
200	38.5
250	39.6
315	43
400	47.6
500	49.2
630	52.5
800	56.2
1000	58.9
1250	59.9
1600	62.6
2000	64.8
2500	66.3 *
3150	67.4 *

Airborne Test Result

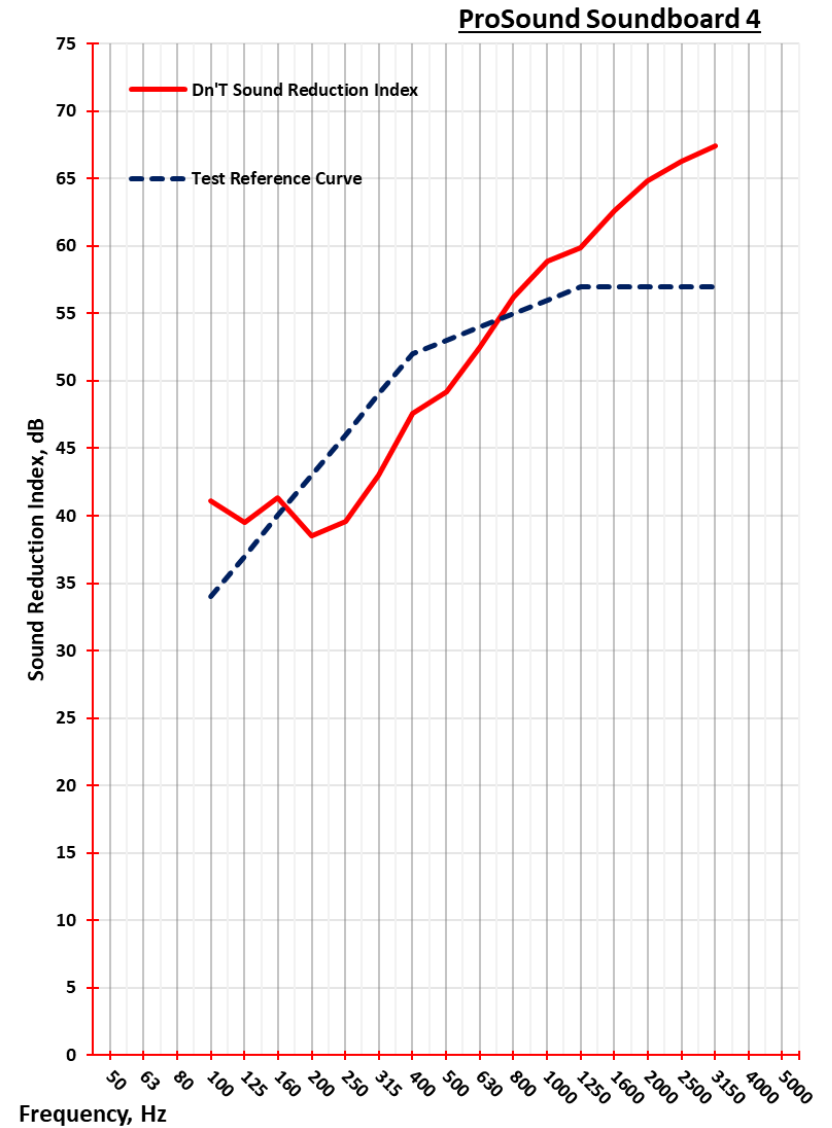
Rating according to ISO 717-1

DnT,w (C;Ctr) = 53 dB (-1;-5)

DnT,w + Ctr = 48 dB

Notes

* Designates limit of measurement due to background noise



Treated Wall airborne Results

Standardized Airborne level Difference According to ISO 717-1

Source Room Volume 25m³

Receiving room Volume 15m³

Wall Build up as Stud wall only

15mm Acoustic plasterboard

50mm Timber Stud at 600mm Centres

50mm RS60 Earthwool between studs

15mm Acoustic plasterboard

30mm Soundboard 4

M2 Weight

12.5 kg/m²

Not applicable

3.0 kg/m²

12.5kg/m²

29 Kg/m²

Freq in HZ	1/3 Octave
50	
63	
80	
100	31.4
125	35.7
160	44.2
200	42.4
250	42
315	42.7
400	47.7
500	49.3
630	54.4
800	56.7
1000	57.8
1250	57.5
1600	59.6
2000	61.8
2500	62.3
3150	65.4

Airborne Test Result

Rating according to ISO 717-1

DnT,w (C;Ctr) = 54dB (-2;-7)

DnT,w + Ctr = 47 dB

