Apparent sound reduction index according to ISO 16283-1

Field measurements of airborne sound insulation between rooms

Client: Prästängen AB Date of test: 2018-10-15

Description: 14 Parquet floor + foam on Subfloor with 25 mm screed. 200 mm air gap with insulation, acoustic feet. Load-bearing floor construction of 150 mm CLT.

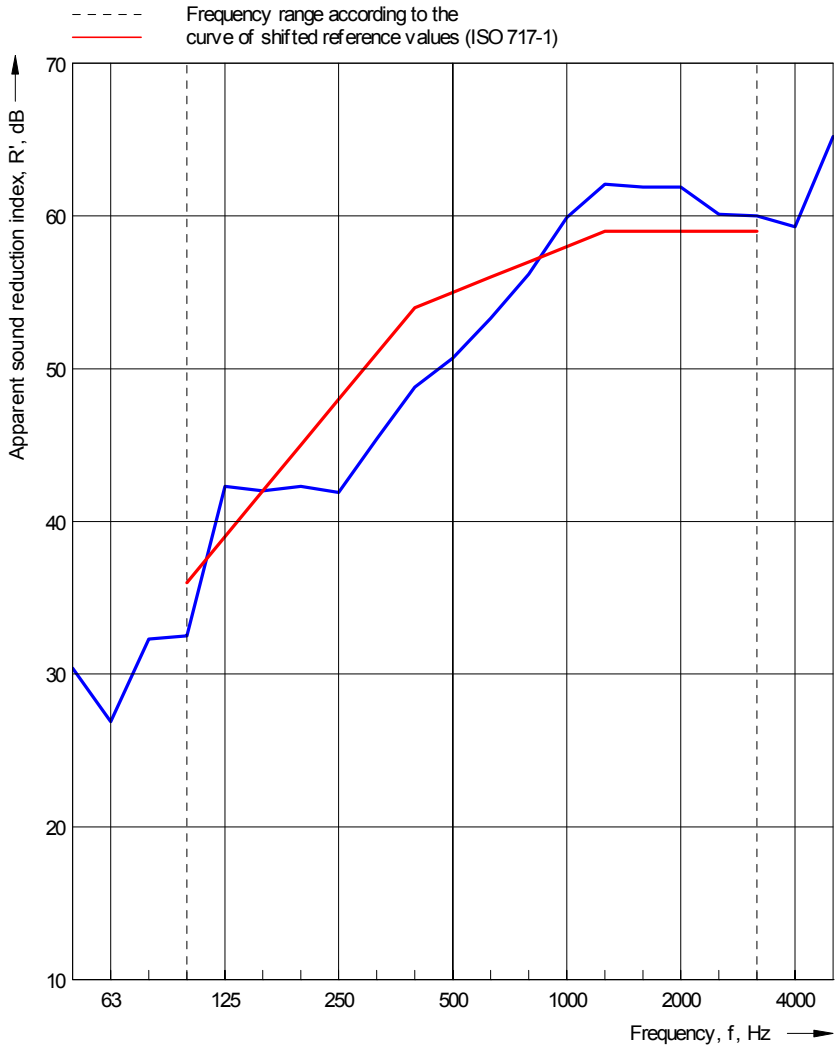
Object: Measured from floor 4 -> floor 3

Area S of separating element: 11,50 m²

Source room volume: 31,0 m³

Receiving room volume: 31,0 m³

Frequency f [Hz]	R' 1/3 octave [dB]
50	30,4
63	26,9
80	32,3
100	32,5
125	42,3
160	42,0
200	42,3
250	41,9
315	45,4
400	48,8
500	50,7
630	53,3
800	56,2
1 000	59,9
1 250	62,1
1 600	61,9
2 000	61,9
2 500	60,1
3 150	60,0
4 000	59,3
5 000	65,2



Rating according to ISO 717-1

$R'_w(C;C_{tr})$ = 55 (-2; -7) dB

Evaluation based on field measurement results obtained in one-third-octave bands by an engineering method.

$C_{50\text{-}3150}$ = -3 dB $C_{50\text{-}5000}$ = -2 dB $C_{100\text{-}5000}$ = -1 dB

$C_{tr,50\text{-}3150}$ = -10 dB $C_{tr,50\text{-}5000}$ = -10 dB $C_{tr,100\text{-}5000}$ = -7 dB

Akustikverkstan AB

No. of test report: 19-217-M3

Date: 2019-05-02 Signature: Pontus Thorsson