

Sound Reduction Index (R) according to BS EN ISO 10140-2:2010

Test No. L/3480/1

Date of Test: 14 October 2019

Client: Mute Soundproofing

Specimen: Mute Soundproofing Wall System No. 1

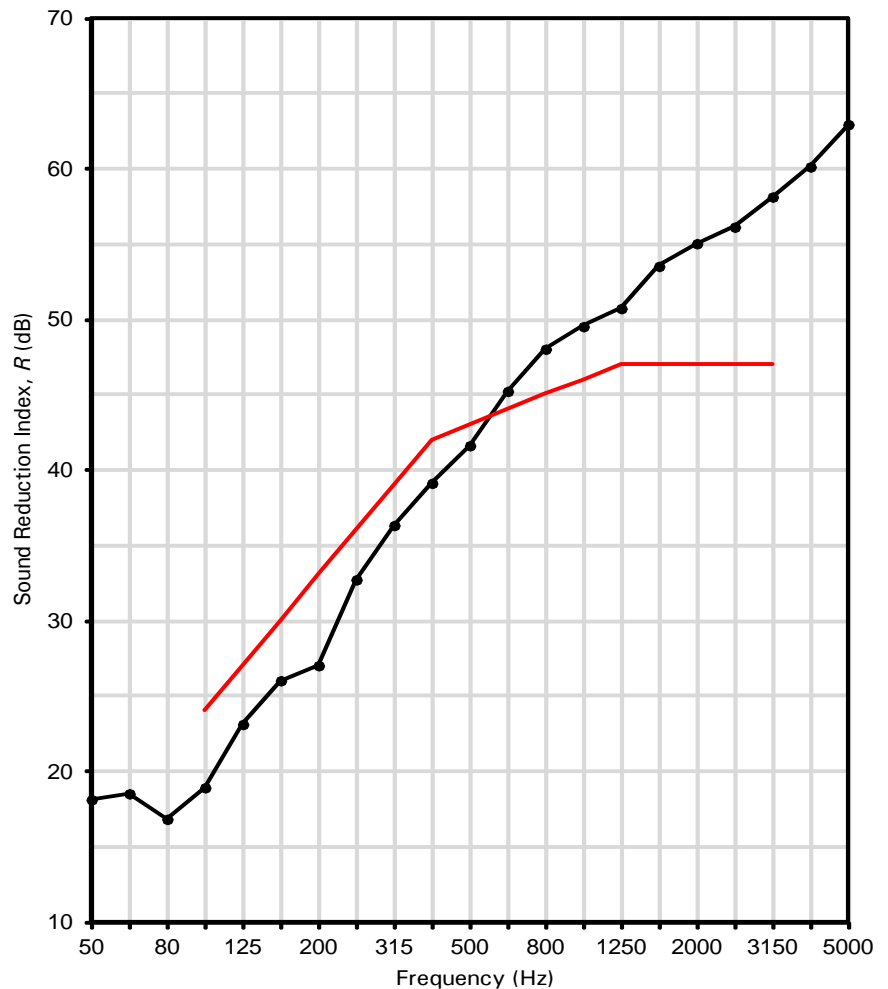
Installed by: Mute Soundproofing

Specimen area: 8.77 m²

Mass per unit area: 29 kg/m²

Chamber Conditions	Volume	Air Temperature	Relative Humidity	Air Pressure
Source Chamber	103 m ³	15 °C	80%	990 hPa
Receiving Chamber	214 m ³	15 °C	80%	990 hPa

Frequency (Hz)	R One-third Octave (dB)	R Octave (dB)
50	18.1	
63	18.5	17.7
80	16.8	
100	18.9	
125	23.1	21.7
160	26.0	
200	27.0	
250	32.7	30.4
315	36.3	
400	39.1	
500	41.6	41.3
630	45.2	
800	48.0	
1000	49.5	49.3
1250	50.7	
1600	53.5	
2000	55.0	54.7
2500	56.1	
3150	58.1	
4000	60.1	59.9
5000	62.9	
6300		
8000		
10000		



●—● Measured result
— Shifted reference curve

Rating according to BS EN ISO 717-1:2013

$R_w (C;C_{tr}) = 43 (-2;-8) \text{ dB}$

$C_{50-3150} = -3 \text{ dB}$

$C_{50-5000} = -2 \text{ dB}$

$C_{100-5000} = -1 \text{ dB}$

$C_{tr,50-3150} = -11 \text{ dB}$

$C_{tr,50-5000} = -11 \text{ dB}$

$C_{tr,100-5000} = -8 \text{ dB}$

Evaluation based on laboratory measurement results obtained by an engineering method

Approved by:

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