

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

Test No. L/3480/2

Date of Test: 15 October 2019

Client: Mute Soundproofing

Specimen: Mute Soundproofing Wall System No. 2

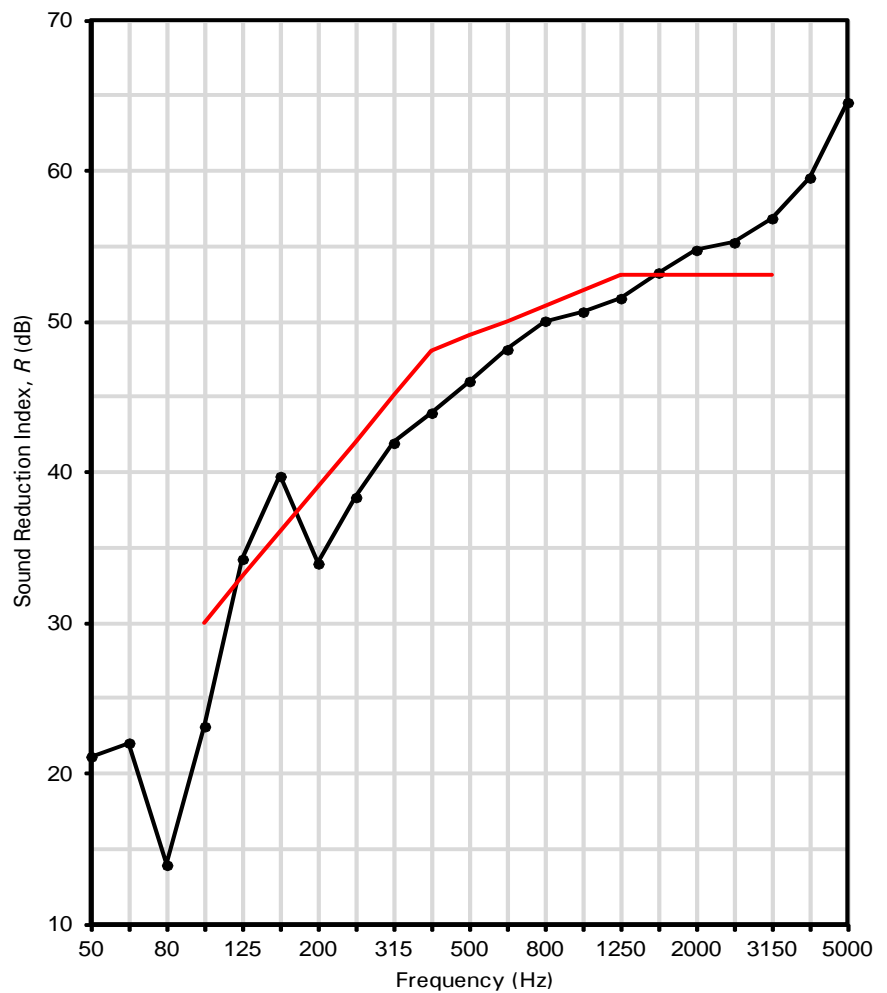
Installed by: Mute Soundproofing

Specimen area: 8.77 m²

Mass per unit area: 52 kg/m²

Chamber Conditions	Volume	Air Temperature	Relative Humidity	Air Pressure
Source Chamber	103 m ³	15 °C	80%	985 hPa
Receiving Chamber	214 m ³	15 °C	80%	985 hPa

Frequency (Hz)	R One-third Octave (dB)	R Octave (dB)
50	21.1	
63	22.0	17.4
80	13.9	
100	23.1	
125	34.2	27.5
160	39.7	
200	33.9	
250	38.3	36.8
315	41.9	
400	43.9	
500	46.0	45.7
630	48.1	
800	50.0	
1000	50.6	50.7
1250	51.5	
1600	53.2	
2000	54.7	54.3
2500	55.2	
3150	56.8	
4000	59.5	59.2
5000	64.5	
6300		
8000		
10000		



●—● Measured result
 — Shifted reference curve

Rating according to BS EN ISO 717-1:2013			
$R_w (C;C_{tr}) = 49 (-2;-8) \text{ dB}$	$C_{50-3150} = -5 \text{ dB}$	$C_{50-5000} = -4 \text{ dB}$	$C_{100-5000} = -1 \text{ dB}$
	$C_{tr,50-3150} = -16 \text{ dB}$	$C_{tr,50-5000} = -16 \text{ dB}$	$C_{tr,100-5000} = -8 \text{ dB}$
Evaluation based on laboratory measurement results obtained by an engineering method			

Approved by:

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