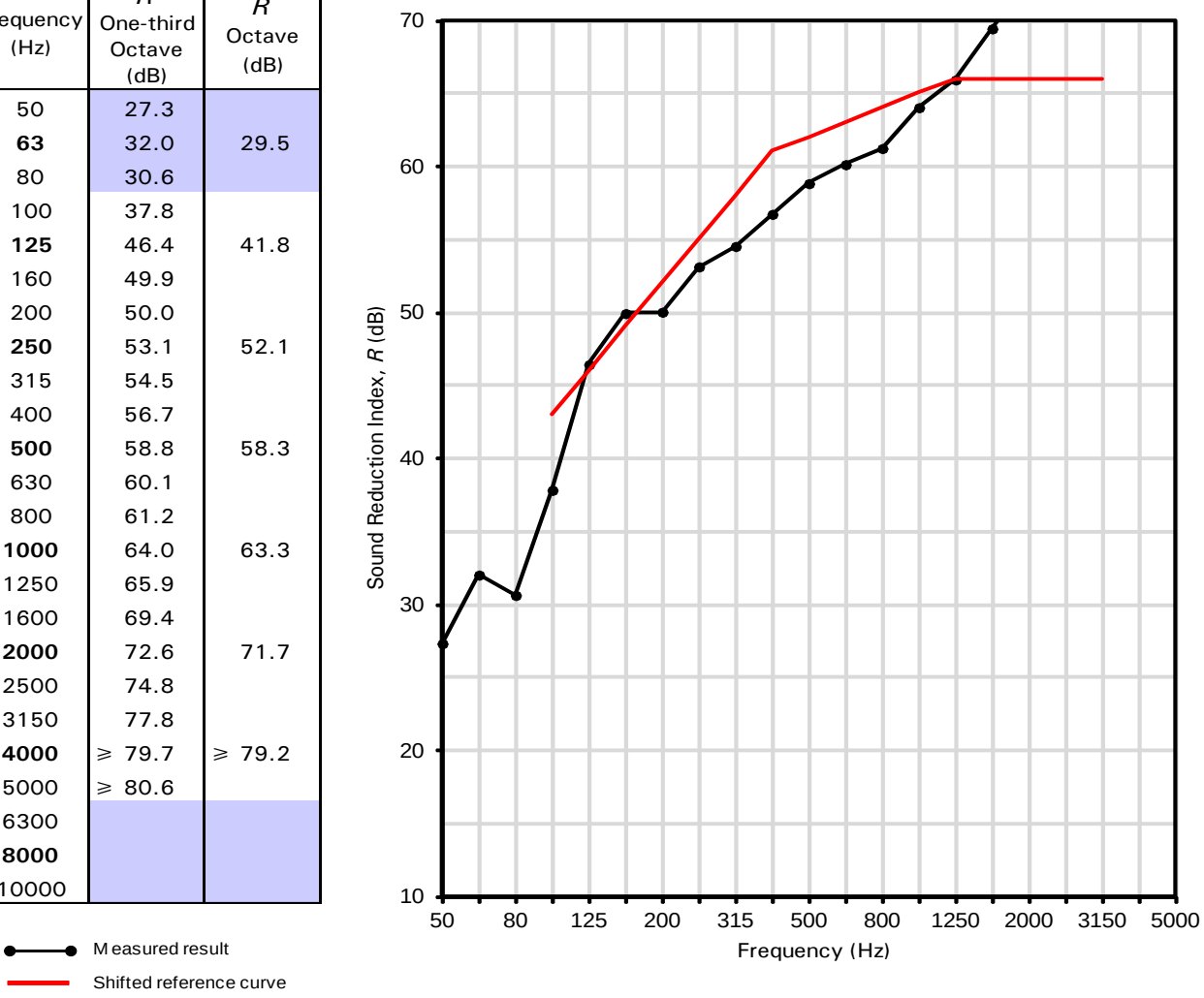
Sound Reduction Index (*R*) according to BS EN ISO 10140-2:2010

Test No. L/3480/3 Date of Test: 15 October 2019
Client: Mute Soundproofing
Specimen: Mute Soundproofing Wall System No. 3
Installed by: Mute Soundproofing
Specimen area: 8.77 m² Mass per unit area: 81 kg/m²

Chamber Conditions	Volume	Air Temperature	Relative Humidity	Air Pressure
Source Chamber	102 m³	15°C	80%	985 hPa
Receiving Chamber	214 m³	15°C	80%	985 hPa

Frequency (Hz)	*R* One-third Octave (dB)	*R* Octave (dB)
50	27.3	
63	32.0	29.5
80	30.6	
100	37.8	
125	46.4	41.8
160	49.9	
200	50.0	
250	53.1	52.1
315	54.5	
400	56.7	
500	58.8	58.3
630	60.1	
800	61.2	
1000	64.0	63.3
1250	65.9	
1600	69.4	
2000	72.6	71.7
2500	74.8	
3150	77.8	
4000	⩾ 79.7	⩾ 79.2
5000	⩾ 80.6	
6300		
8000		
10000		



Rating according to BS EN ISO 717-1:2013

$R_w\ (C;C_{tr})$ = **62 (-1;-7) dB**

$C_{50\text{-}3150}$ = -4 dB $C_{50\text{-}5000}$ = -3 dB $C_{100\text{-}5000}$ = 0 dB
$C_{tr,50\text{-}3150}$ = -15 dB $C_{tr,50\text{-}5000}$ = -15 dB $C_{tr,100\text{-}5000}$ = -7 dB

Evaluation based on laboratory measurement results obtained by an engineering method

Approved by:

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