Airborne sound reduction indices according to ISO 10140-2
Laboratory measurements of airborne sound insulation of building elements

Client: Ventüer Limited

Date of test: 27-May-19

Test rooms: Reverberation Chambers A and C

Description and identification of the test specimen and test arrangement:

Sample brand name: *AL-100W* by Ventüer Limited
Sample Description: 100mm single bank acoustic louvre
Dimensions: 1800mm high x 1200mm wide
Perimeter sealant: Closed cell expanding foam

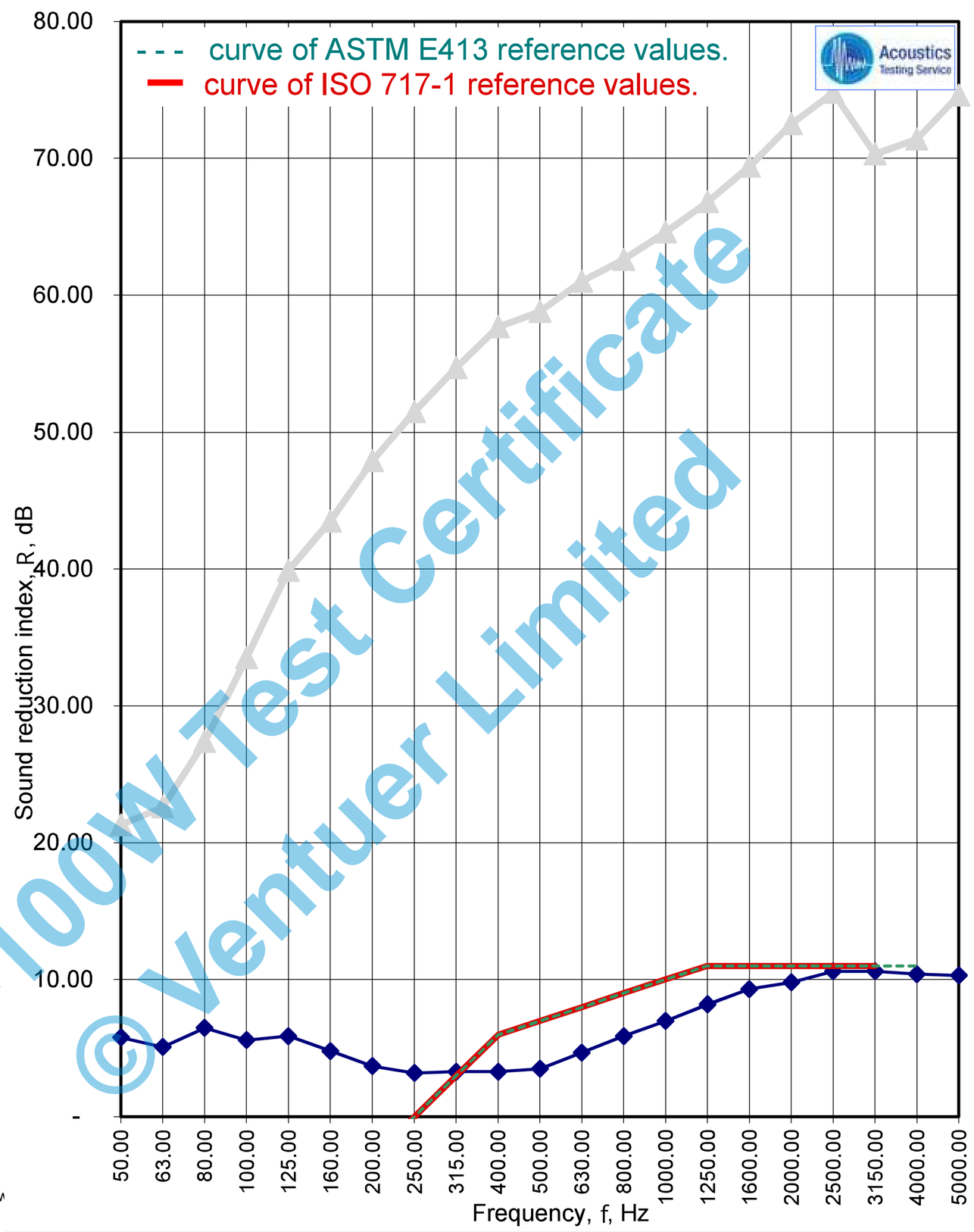
Source chamber was Chamber C and receiving chamber was Chamber A . Test specimen was installed by client. Curing time was: N/A

Comp Files: TL:T1922-1 TL, Source Chamber, Receiving Chamber, Bgr:T1922-1 Bgr, Receiving Chamber. RT:T1922-1 RT

Area S of test specimen:	2.16	m^2
Air temp in the test rooms:	18	°C
Air humidity in test rooms:	69	%
Source room volume:	208	m^3
Receiving room volume:	202	m^3

Frequency f Hz	R One-third octave dB
50	5.8
63	5.1
80	6.5
100	**5.6**
125	**5.9**
160	**4.8**
200	**3.7**
250	**3.2**
315	**3.3**
400	**3.3**
500	**3.5**
630	**4.7**
800	**5.9**
1000	**7.0**
1250	**8.2**
1600	**9.3**
2000	**9.8**
2500	**10.6**
3150	**10.6**
4000	**10.4**
5000	10.3

Notes: #N/A = Value not available. **Bold** values are used to calculate STC and R_w



AL-100W Test Certificate
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Rating according to ISO 717-1

$R_w (C;C_{tr}) = 7 (0 ; -1)$ dB

$C_{50-3150}$ = 0 dB $C_{50-5000}$ = 1 dB $C_{100-5000}$ = 1 dB

$C_{tr,50-3150}$ = -1 dB $C_{tr,50-5000}$ = -1 dB $C_{tr,100-5000}$ = -1 dB

Rating according to ASTM E413 -87

Sound Transmission Class = 7 dB

Evaluation based on laboratory measurement results obtained by an engineering method.

No. of test report: **T1922-1**

Name of test institute: University of Auckland Acoustics Testing Service.

Date: 25 June 2019

Signature:

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