

Client : Bowiq Benelux BV
Project number : SH 16 010
Test date : 06.07.2020

Structure of the tested object

9.5 mm gypsumboard + 25 mm sound absorbing BoSpray layer

Total system buildup 59.5 mm

Acousticpanels were loosely laid on the reverberation room floor

Temperatur
With test object 20,0 °C
Empty 22,9 °C

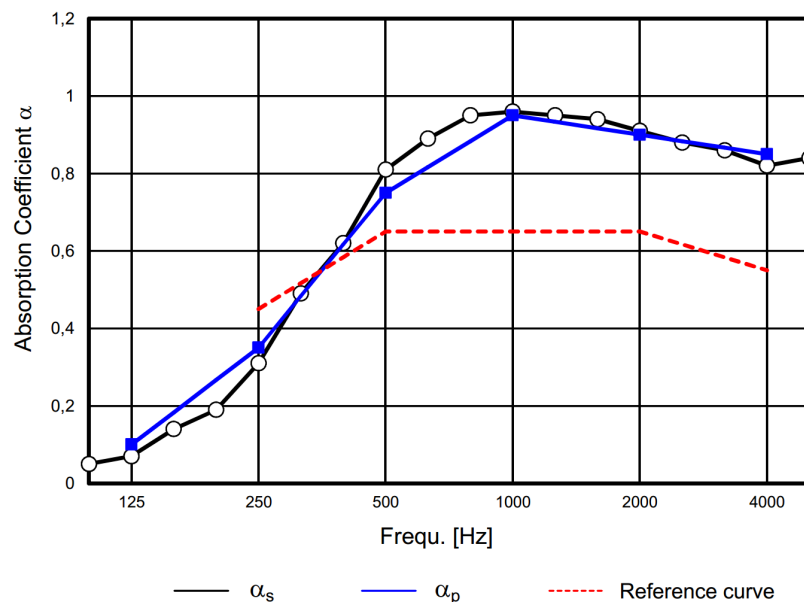
Relative humidity
39,2 %
57,1 %

Air pressure
98,8 kPa
98,7 kPa

Chamber volume 198,3 m³
Size of proofed material 12,0 m²

f [Hz]	α_s	α_p ¹⁾
100	0,05	
125	0,07	0,10
160	0,14	
200	0,19	
250	0,31	0,35
315	0,49	
400	0,62	
500	0,81	0,75
630	0,89	
800	0,95	
1000	0,96	0,95
1250	0,95	
1600	0,94	
2000	0,91	0,90
2500	0,88	
3150	0,86	
4000	0,82	0,85
5000	0,84	

1) DIN EN ISO 11654:1997



Evaluation

Sound absorption coefficient according DIN EN ISO 11654:1997	$\alpha_w = 0,65$
Sound absorption class according DIN EN ISO 11654:1997	C
Verbal evaluation according to VDI 3755 (2000-02)	High absorbent
Noise Reduction Coefficient nach ASTM C423:1989	NRC = 0,75

Number:
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Measurement Nr: 7
Date: 06.07.2020

File:
18 010-11