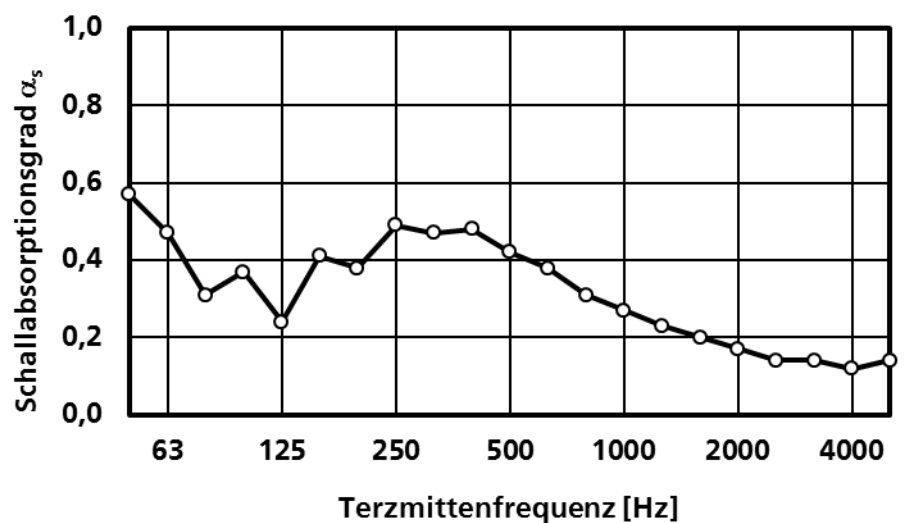


Subject Sound absorption of a low frequency absorber (S 10993-04)  
 Client Flex Acoustics  
 Measurement date October 24; 2016  
 Test object Low frequency absorber system  
 3 bags filled with air composed of plastic membrane, tested in the reverberation chamber in a baffle setup; Distance between the centre lines of the baffles: 1 m (1 cm gap between each element)  
 Size of one bag filled with air (w x l): 4 m x 1,8 m; thickness in the middle approx. 1,2 m.

Test results volume of the reverberation chamber: 392 m<sup>3</sup>  
 Sound absorption coefficient acc. to. DIN EN ISO 11654  
 $\alpha_w = 0,25$  (L) – class E

f [Hz]	$\alpha_s$
50	0,57
63	0,47
80	0,31
100	0,37
125	0,24
160	0,41
200	0,38
250	0,49
315	0,47
400	0,48
500	0,42
630	0,38
800	0,31
1000	0,27
1250	0,23
1600	0,20
2000	0,17
2500	0,14
3150	0,14
4000	0,12
5000	0,14



Subject Sound absorption of a low frequency absorber (S 10993-04)  
 Client Flex Acoustics  
 Measurement date October 24; 2016  
 Test object Low frequency absorber system  
 2 bags filled with air composed of plastic membrane, tested in the reverberation chamber in a baffle setup; Distance between the centre lines of the baffles: 2 m.  
 Size of one bag filled with air (w x l): 4 m x 1,8 m; thickness in the middle approx. 1,2 m.

Test results volume of the reverberation chamber: 392 m<sup>3</sup>  
 Sound absorption coefficient acc. to. DIN EN ISO 11654  
 $\alpha_w = 0,25$  (L) – class E

f [Hz]	$\alpha_s$
50	0,48
63	0,42
80	0,38
100	0,29
125	0,20
160	0,32
200	0,36
250	0,39
315	0,42
400	0,47
500	0,42
630	0,29
800	0,26
1000	0,26
1250	0,22
1600	0,18
2000	0,16
2500	0,14
3150	0,14
4000	0,10
5000	0,14

