

SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client : ASONA
 Project number : 008.04956/01.01
 Date : 2003-07-15

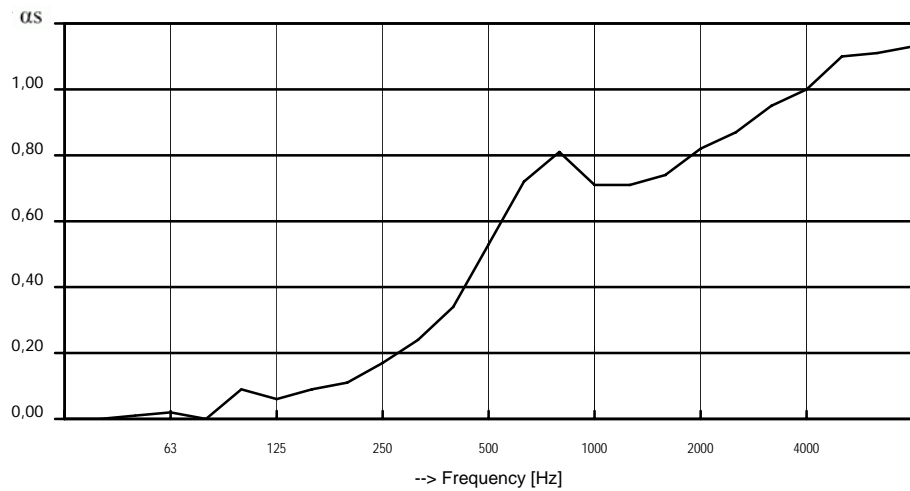
Product : Sonaspray FC
 Tested in : Rev. chamber TNO TPD

Description : Sonaspray FC 8 mm

Surface : 12,0 m²
 Temperature : 23,0 °C
 Relative humidity : 54,0 %

Volume : 200 m³
 Two speaker position
 Noise signal

Freq.	α_s	α_p
Hz	1/3 oct dB	1/1 oct dB
50	0,01	
63	0,02	0,00
80	0,00	
100	0,09	
125	0,06	0,10
160	0,09	
200	0,11	
250	0,17	0,20
315	0,24	
400	0,34	
500	0,53	0,55
630	0,72	
800	0,81	
1000	0,71	0,75
1250	0,71	
1600	0,74	
2000	0,82	0,80
2500	0,87	
3150	0,95	
4000	1,00	1,00
5000	1,10	



Weighted sound absorption coefficient (EN-ISO 11654)

$\alpha_w = 0,50$ (MH); class D

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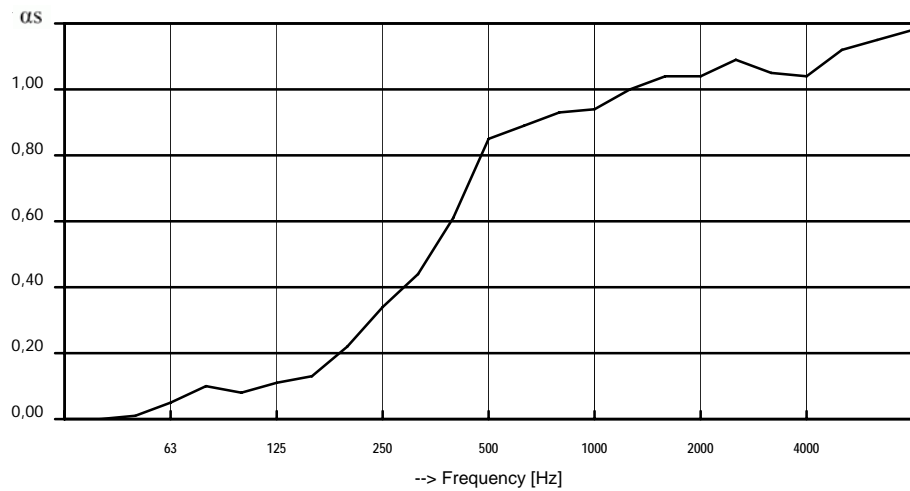
Product : Sonaspray FC
 Tested in : Rev. chamber TNO TPD

Description : Sonaspray FC 12 mm

Surface : 12,0 m²
 Temperature : 23,0 °C
 Relative humidity : 49,0 %

Volume : 200 m³
 Two speaker position
 Noise signal

Freq.	α_s	α_p
Hz	1/3 oct dB	1/1 oct dB
50	0,01	
63	0,05	0,05
80	0,10	
100	0,08	
125	0,11	0,10
160	0,13	
200	0,22	
250	0,34	0,35
315	0,44	
400	0,61	
500	0,85	0,80
630	0,89	
800	0,93	
1000	0,94	0,95
1250	1,00	
1600	1,04	
2000	1,04	1,00
2500	1,09	
3150	1,05	
4000	1,04	1,00
5000	1,12	



Weighted sound absorption coefficient (EN-ISO 11654)

$\alpha_w = 0,65$ (MH); class C