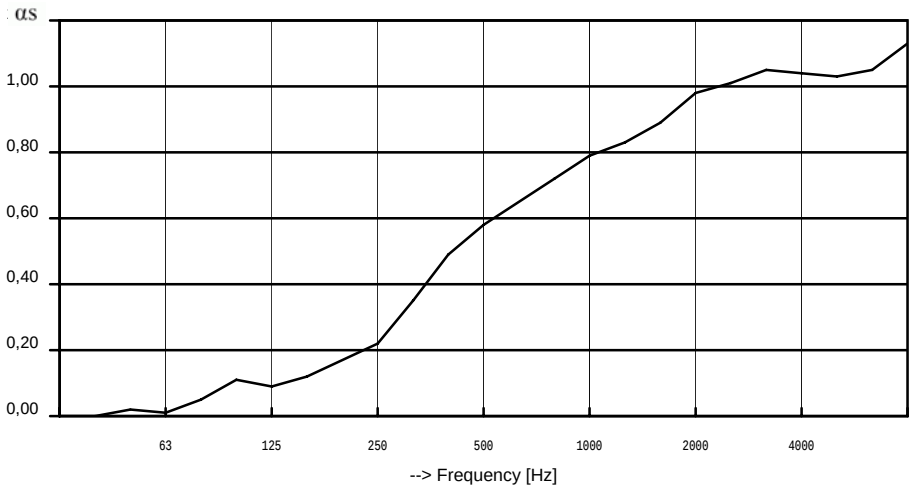
SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client	: ASONA	Product	: K-13 Special
Project number	: 008.04233/01.01	Tested in	: Rev. chamber TNO TPD
Date	: 2002-11-13		
Description	: Sonaspray K-13 Special 12,5 mm		
Surface	: 12,0 m²	Volume	: 200 m³
Temperature	: 17,0 ºC	Two speaker position	
Relative humidity	: 62,0 %	Noise signal	

Freq. Hz	α_S 1/3 oct dB	α_P 1/1 oct dB
50	0,02	
63	0,01	0,00
80	0,05	
100	0,11	
125	0,09	0,10
160	0,12	
200	0,17	
250	0,22	0,25
315	0,35	
400	0,49	
500	0,58	0,60
630	0,65	
800	0,72	
1000	0,79	0,80
1250	0,83	
1600	0,89	
2000	0,98	0,95
2500	1,01	
3150	1,05	
4000	1,04	1,00
5000	1,03	



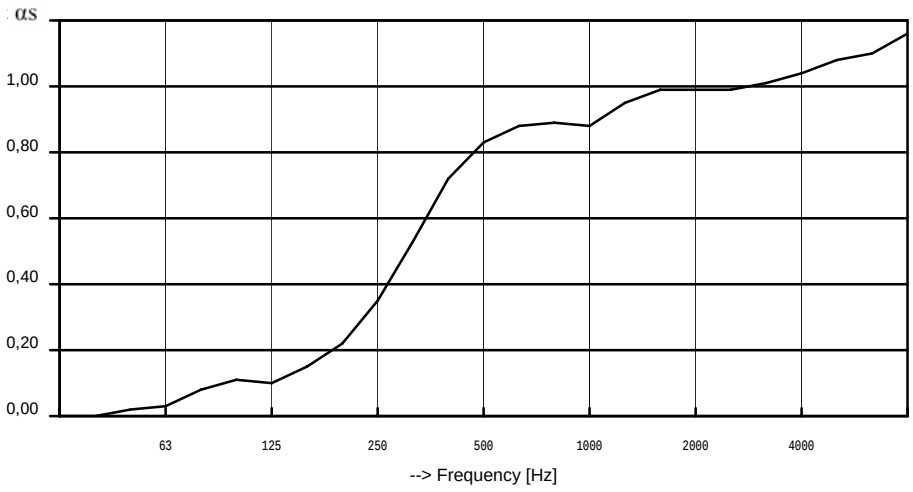
Weighted sound absorption coefficient (EN-ISO 11654) $\alpha_w = 0,55(MH)$; class D

TNO TPD ASONA

SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client	: ASONA	Product	: K-13 Special
Project number	: 008.04233/01.01	Tested in	: Rev. chamber TNO TPD
Date	: 2002-11-13		
Description	: Sonaspray K-13 Special 16 mm		
Surface	: 12,0 m²	Volume	: 200 m³
Temperature	: 17,0 ºC	Two speaker position	
Relative humidity	: 62,0 %	Noise signal	

Freq. Hz	α_S 1/3 oct dB	α_P 1/1 oct dB
50	0,02	
63	0,03	0,05
80	0,08	
100	0,11	
125	0,10	0,10
160	0,15	
200	0,22	
250	0,35	0,35
315	0,53	
400	0,72	
500	0,83	0,80
630	0,88	
800	0,89	
1000	0,88	0,90
1250	0,95	
1600	0,99	
2000	0,99	1,00
2500	0,99	
3150	1,01	
4000	1,04	1,00
5000	1,08	

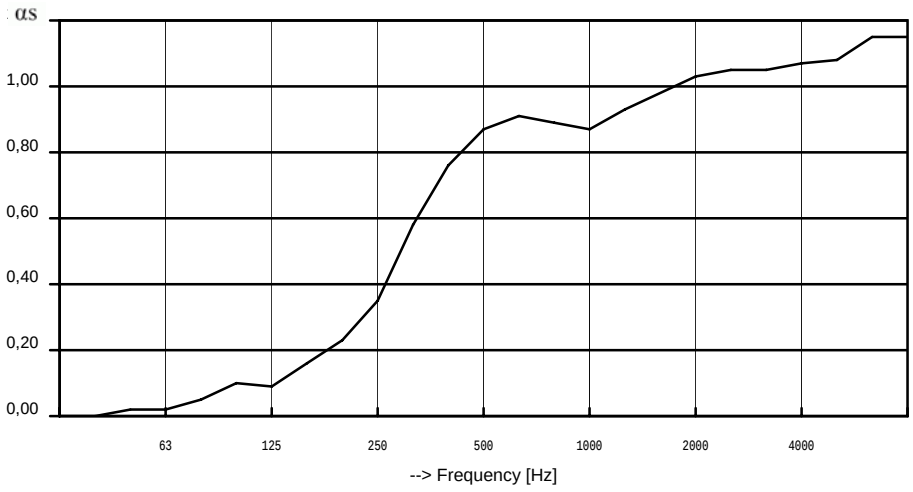


Weighted sound absorption coefficient (EN-ISO 11654) $\alpha_w = 0,65(MH)$; class C

SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client	: ASONA	Product	: K-13 Special
Project number	: 008.04233/01.01	Tested in	: Rev. chamber TNO TPD
Date	: 2002-11-13		
Description	: Sonaspray K-13 Special 19 mm		
Surface	: 12,0 m²	Volume	: 200 m³
Temperature	: 17,0 ºC	Two speaker position	
Relative humidity	: 62,0 %	Noise signal	

Freq. Hz	α_S 1/3 oct dB	α_P 1/1 oct dB
50	0,02	
63	0,02	0,05
80	0,05	
100	0,10	
125	0,09	0,10
160	0,16	
200	0,23	
250	0,35	0,40
315	0,58	
400	0,76	
500	0,87	0,85
630	0,91	
800	0,89	
1000	0,87	0,90
1250	0,93	
1600	0,98	
2000	1,03	1,00
2500	1,05	
3150	1,05	
4000	1,07	1,00
5000	1,08	



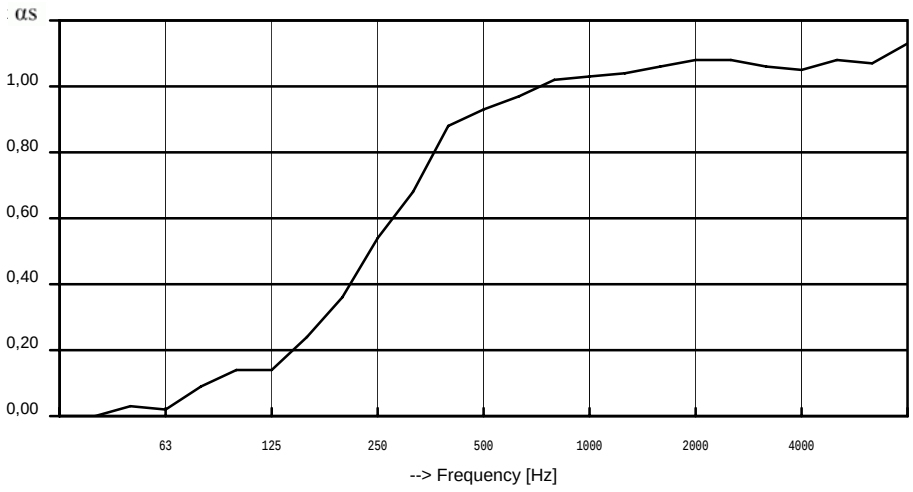
Weighted sound absorption coefficient (EN-ISO 11654) $\alpha_w = 0,70(H)$; class C

TNO TPD ASONA

SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client	: ASONA	Product	: K-13 Special
Project number	: 008.04233/01.01	Tested in	: Rev. chamber TNO TPD
Date	: 2002-11-13		
Description	: Sonaspray K-13 Special 25 mm		
Surface	: 12,0 m²	Volume	: 200 m³
Temperature	: 17,0 ºC	Two speaker position	
Relative humidity	: 62,0 %	Noise signal	

Freq. Hz	α_S 1/3 oct dB	α_P 1/1 oct dB
50	0,03	
63	0,02	0,05
80	0,09	
100	0,14	
125	0,14	0,20
160	0,24	
200	0,36	
250	0,54	0,50
315	0,68	
400	0,88	
500	0,93	0,90
630	0,97	
800	1,02	
1000	1,03	1,00
1250	1,04	
1600	1,06	
2000	1,08	1,00
2500	1,08	
3150	1,06	
4000	1,05	1,00
5000	1,08	



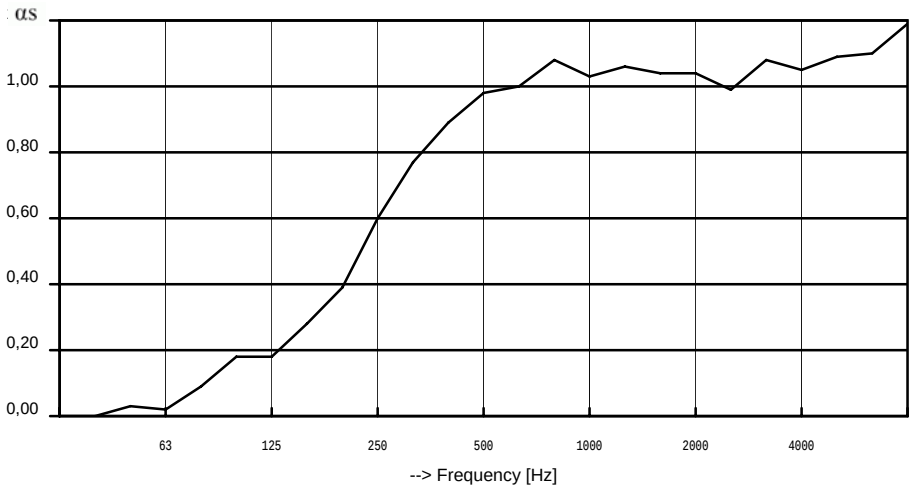
Weighted sound absorption coefficient (EN-ISO 11654) α_w = 0,80(H); class B

TNO TPD ASONA

SOUND ABSORPTION MEASUREMENTS according to EN 20354

Client	: ASONA	Product	: K-13 Special
Project number	: 008.04233/01.01	Tested in	: Rev. chamber TNO TPD
Date	: 2002-11-13		
Description	: Sonaspray K-13 Special 32 mm		
Surface	: 12,0 m²	Volume	: 200 m³
Temperature	: 17,0 ºC	Two speaker position	
Relative humidity	: 62,0 %	Noise signal	

Freq. Hz	α_S 1/3 oct dB	α_P 1/1 oct dB
50	0,03	
63	0,02	0,05
80	0,09	
100	0,18	
125	0,18	0,20
160	0,28	
200	0,39	
250	0,60	0,60
315	0,77	
400	0,89	
500	0,98	0,95
630	1,00	
800	1,08	
1000	1,03	1,00
1250	1,06	
1600	1,04	
2000	1,04	1,00
2500	0,99	
3150	1,08	
4000	1,05	1,00
5000	1,09	



Weighted sound absorption coefficient (EN-ISO 11654) α_w = 0,90( ); class A

TNO TPD ASONA