

SOUND ABSORPTION MEASUREMENTS according to EN 20354

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

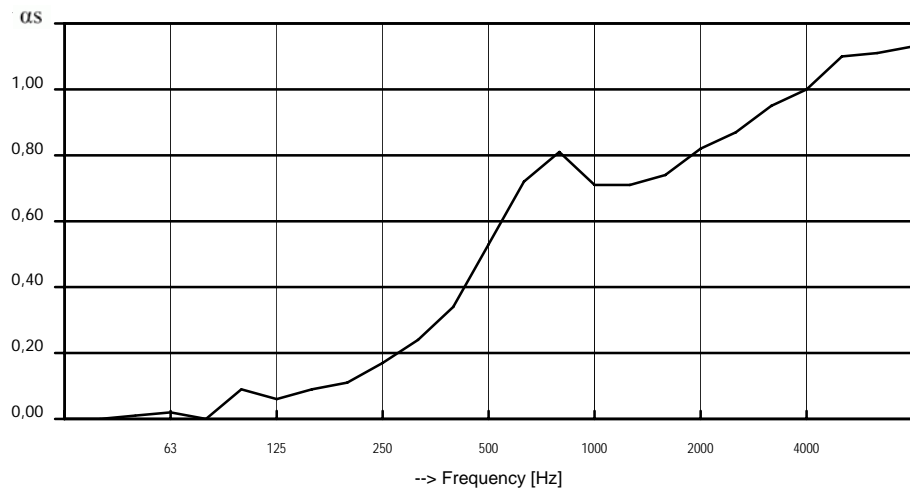
Product : Sonaspray FC
 Tested in : Rev. chamber TNO TPD

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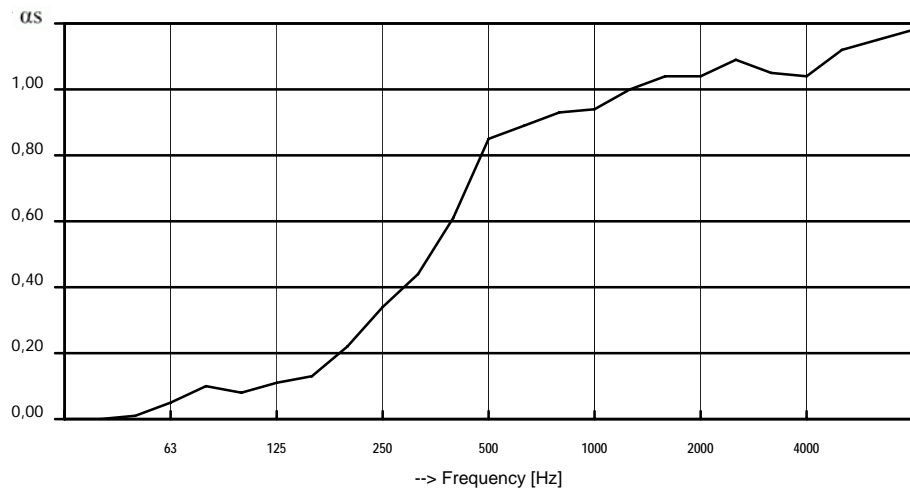
Product : Sonaspray FC
 Tested in : Rev. chamber TNO TPD

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