



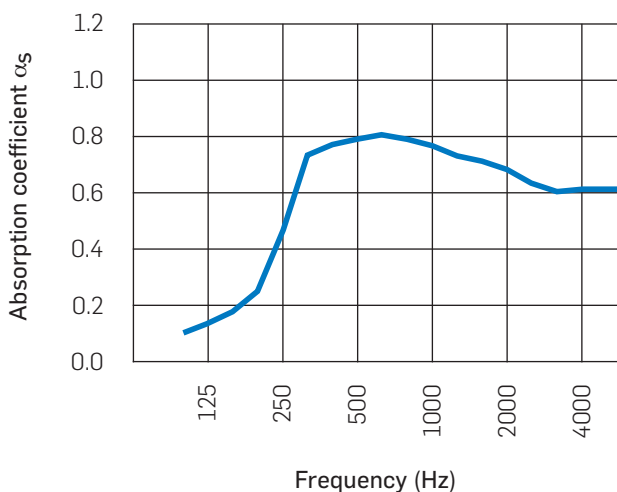
System measurement values
BASWAphon Classic

Issued 2012 / 1

System measurement values BASWAphon Classic

Massive ceilings

30 mm on massive ceilings $\alpha_W = 0.70$

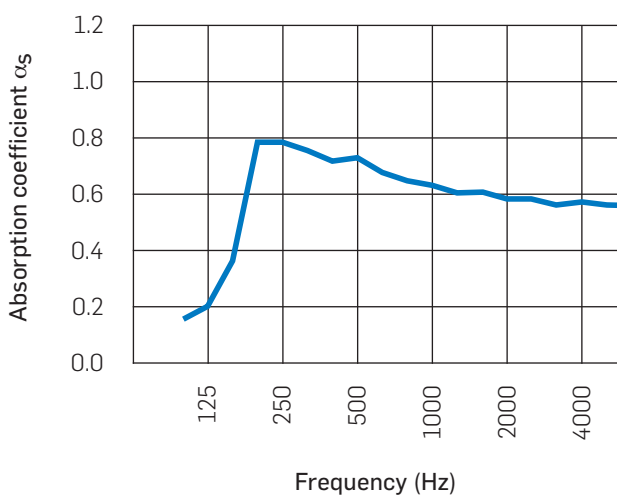


f	α_s
100	0.09
125	0.13
160	0.17
200	0.24
250	0.46
315	0.73
400	0.78
500	0.79
630	0.80
800	0.79
1000	0.77
1250	0.73
1600	0.72
2000	0.68
2500	0.63
3150	0.61
4000	0.62
5000	0.61

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

50 mm on massive ceilings $\alpha_W = 0.65$ (L)

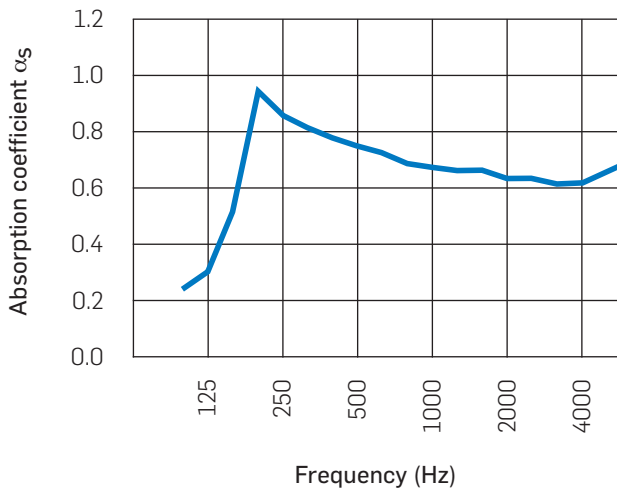


f	α_s
100	0.16
125	0.19
160	0.36
200	0.78
250	0.78
315	0.75
400	0.72
500	0.73
630	0.68
800	0.65
1000	0.63
1250	0.61
1600	0.61
2000	0.58
2500	0.58
3150	0.56
4000	0.57
5000	0.56

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

70 mm on massive ceilings $\alpha_W = 0.70$ (L)



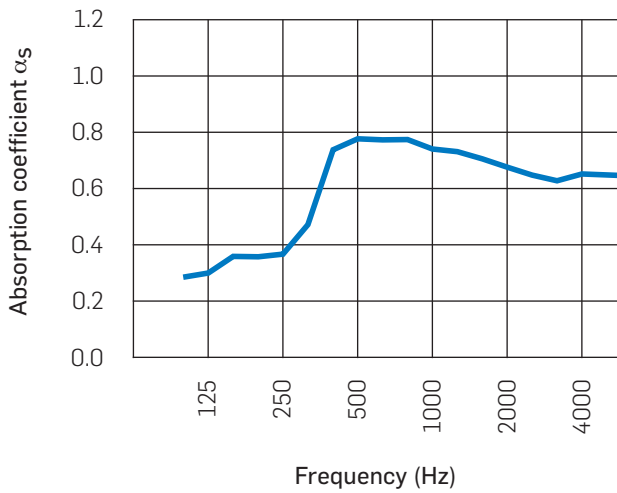
f	α_s
100	0.24
125	0.30
160	0.51
200	0.94
250	0.86
315	0.81
400	0.78
500	0.75
630	0.72
800	0.69
1000	0.67
1250	0.66
1600	0.66
2000	0.64
2500	0.64
3150	0.62
4000	0.62
5000	0.66

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

Suspended ceilings

30 mm suspension, 200 mm $\alpha_W = 0.70$

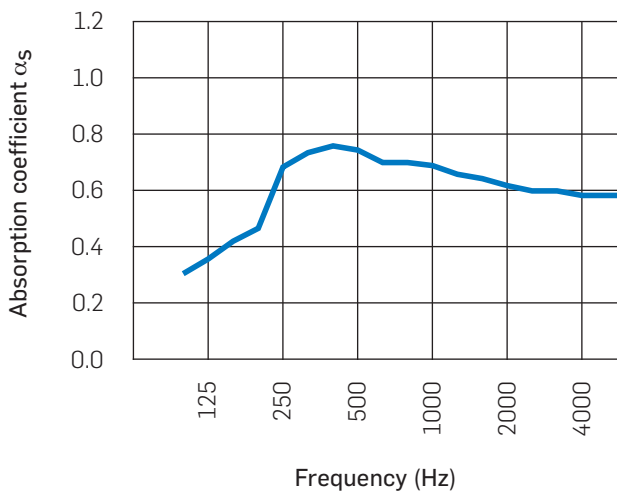


f	α_s
100	0.28
125	0.31
160	0.36
200	0.36
250	0.37
315	0.47
400	0.74
500	0.78
630	0.78
800	0.78
1000	0.75
1250	0.73
1600	0.71
2000	0.68
2500	0.65
3150	0.63
4000	0.66
5000	0.65

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

40 mm/50 mm suspension, 200 mm $\alpha_W = 0.65$

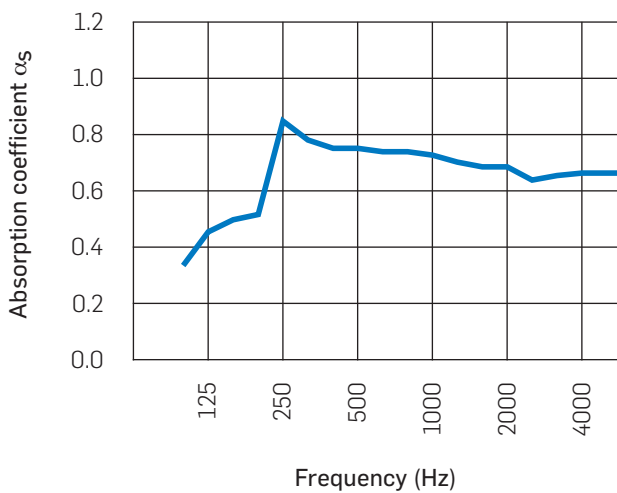


f	α_s
100	0.30
125	0.35
160	0.42
200	0.46
250	0.68
315	0.73
400	0.75
500	0.74
630	0.69
800	0.69
1000	0.68
1250	0.65
1600	0.63
2000	0.61
2500	0.60
3150	0.60
4000	0.58
5000	0.58

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

70 mm suspension, 200 mm $\alpha_W = 0.70$



f	α_s
100	0.34
125	0.46
160	0.49
200	0.51
250	0.85
315	0.78
400	0.76
500	0.76
630	0.74
800	0.74
1000	0.72
1250	0.70
1600	0.69
2000	0.68
2500	0.64
3150	0.65
4000	0.66
5000	0.66

Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

Legal notice / Disclaimer

The absorption curves shown are based on laboratory measurements which were carried out in 2010 by an accredited institute in accordance with European standards NF EN ISO 354 (2004) and NF EN ISO 11654 (1997). The test specimens were manufactured by BASWA acoustic AG according to the state of the art, taking processing guidelines into consideration and observing the recommended quantities. The acoustic effectiveness of BASWA surfaces in a concrete object, in contrast to conditions in a laboratory, can depend on many factors that cannot be foreseen by the material supplier BASWA acoustic AG. For this reason BASWA acoustic AG only assumes warranty for material defects, but does not accept any responsibility for agreement between measurements made in the object and the laboratory values.

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