



System data sheet
BASWAphon Base

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System data sheet

BASWAphon Base

1 Application

For ceilings and wall surfaces for the reduction of the reverberation time.

Properties:

- Excellent broadband sound absorption
- Minimal installation height
- Smooth, jointless surface
- Extensive colour palette (NCS / RAL)
- Non-flammable (A2-s1, d0) according to DIN EN 13501-1

Suitable for processing:

- Horizontal, inclined or vertical surfaces
- Jointless, straight surfaces up to areas of 500 m² (on concrete) and 150 m² (on plasterboard, suspended systems, observe specifications of the gypsum industry).

Requirements for the surface (ceiling / wall):

For the adhesion of BASWAphon systems the surface must fulfil the following requirements:

1. Must be a mineral, massive or suspended system
2. Must conform to the required final form
3. Must be stable
4. Adhesive strength > 250 N/m² (25kg/m²)
5. Must be airtight
6. Prevention of dew point must be guaranteed

Processing conditions:

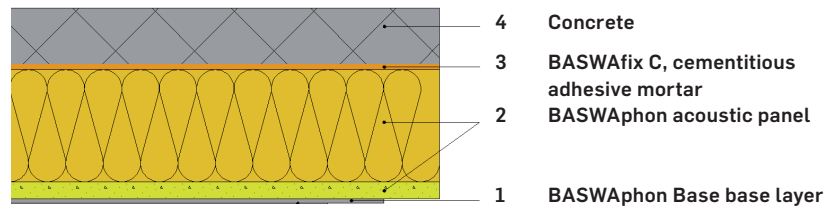
BASWAphon acoustic systems can only be processed by companies that have been trained by BASWA acoustic AG and are in possession of a BASWAphon certificate. This also applies for delivery of our products. BASWA acoustic AG only supplies to certified companies. The BASWA processing guidelines also apply.

2 System profile

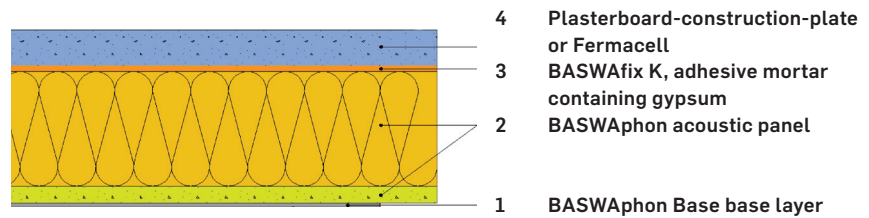
- One coat system
- Grain size of the final coating 0.7 mm
- Short installation time
- Standard colour ~ NCS S 0500-N
- Finish quality maximum <Q3>

3 System construction

Massive ceilings

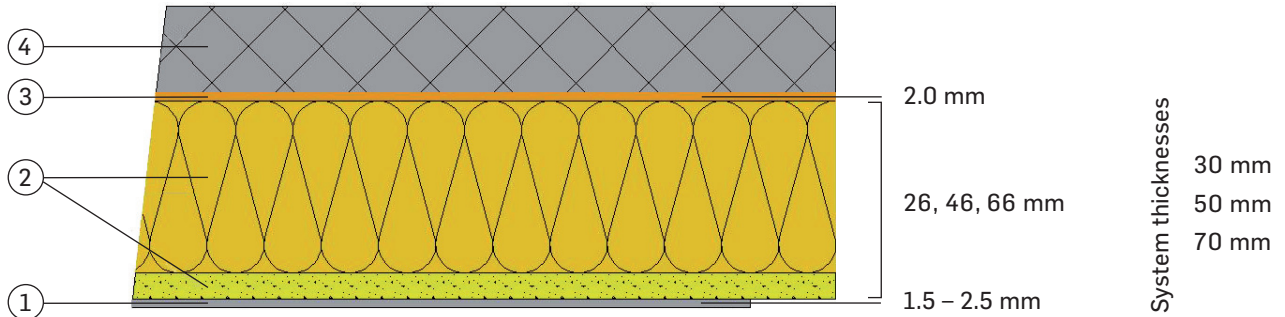


Suspended ceilings



4 System thicknesses

Base massive or suspended



1. BASWAphon Base surface layer 2. BASWAphon acoustic panel 3. Adhesive 4. Base

5 System weights

From the lower edge of the base:

System thickness 30 mm	approx. 110 N / m ² (11 kg / m ²)
System thickness 50 mm	approx. 130 N / m ² (13 kg / m ²)
System thickness 70 mm	approx. 150 N / m ² (15 kg / m ²)

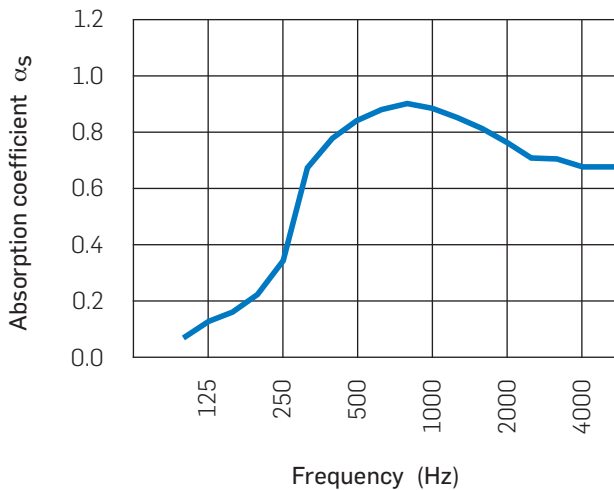
Note:

The weight data can vary depending on the craftsman's processing by ± 15 N/m² (1.5 kg/m²).

6 System measurement values

Massive ceilings

30 mm on massive ceilings $\alpha_W = 0.70$

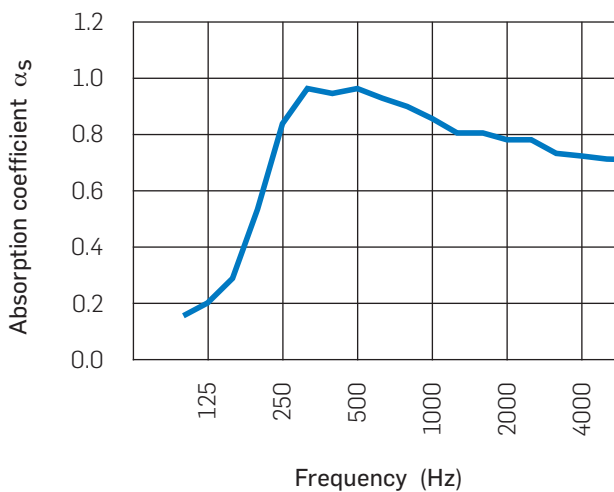


f	α_s
100	0.08
125	0.13
160	0.16
200	0.22
250	0.34
315	0.67
400	0.78
500	0.84
630	0.88
800	0.91
1000	0.88
1250	0.85
1600	0.81
2000	0.75
2500	0.71
3150	0.70
4000	0.68
5000	0.68

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

Hz

50 mm on massive ceilings $\alpha_W = 0.85$

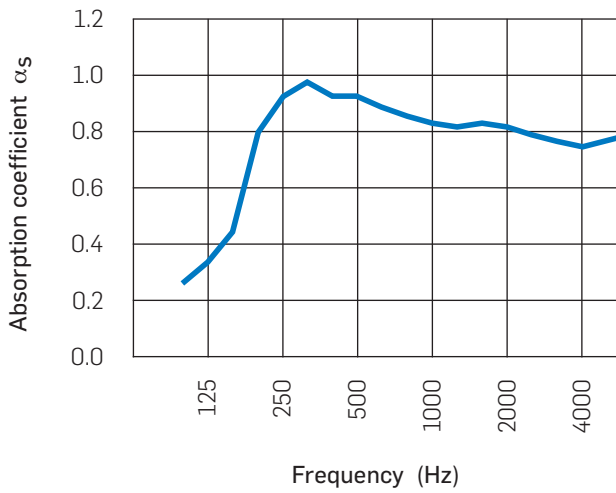


f	α_s
100	0.16
125	0.21
160	0.29
200	0.53
250	0.84
315	0.96
400	0.94
500	0.96
630	0.93
800	0.90
1000	0.86
1250	0.81
1600	0.81
2000	0.79
2500	0.78
3150	0.74
4000	0.73
5000	0.71

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

Hz

70 mm on massive ceilings $\alpha_W = 0.85$ (L)



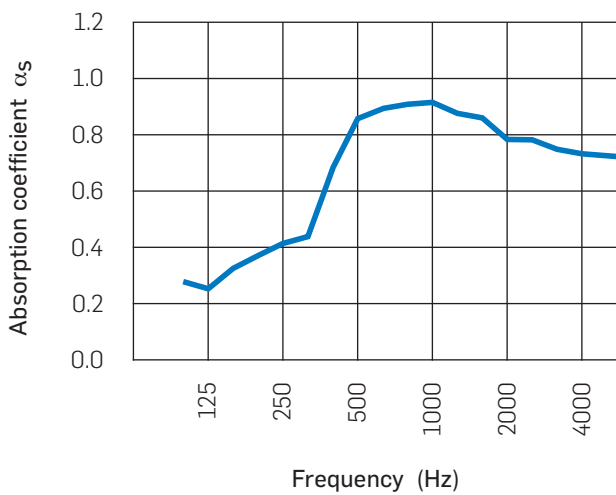
f	α_s
100	0.26
125	0.33
160	0.43
200	0.79
250	0.92
315	0.97
400	0.92
500	0.92
630	0.88
800	0.85
1000	0.82
1250	0.81
1600	0.82
2000	0.81
2500	0.78
3150	0.76
4000	0.74
5000	0.76

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

Hz

Suspended ceilings

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

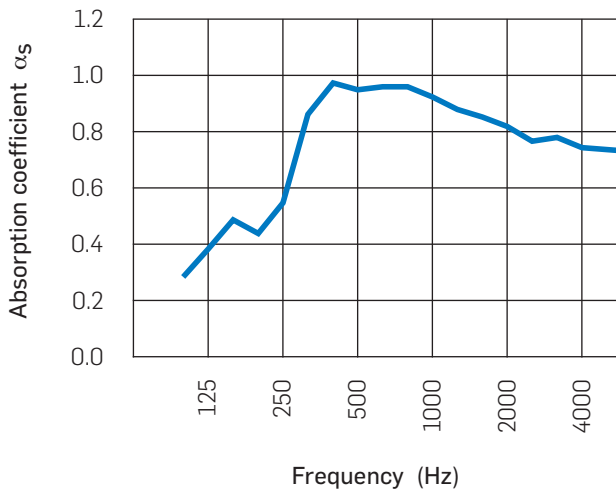


f	α_s
100	0.27
125	0.25
160	0.32
200	0.36
250	0.41
315	0.43
400	0.68
500	0.85
630	0.89
800	0.90
1000	0.91
1250	0.87
1600	0.85
2000	0.78
2500	0.77
3150	0.74
4000	0.72
5000	0.71

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

Hz

50 mm suspension, 200 mm $\alpha_W = 0.85$

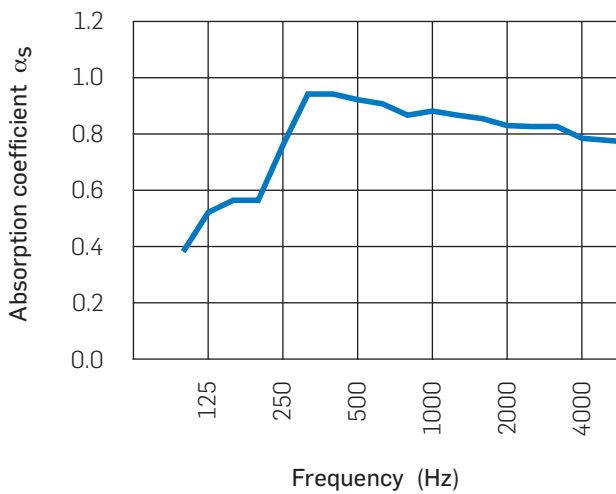


f	α_s
100	0.29
125	0.39
160	0.49
200	0.44
250	0.55
315	0.87
400	0.97
500	0.95
630	0.96
800	0.96
1000	0.93
1250	0.88
1600	0.85
2000	0.82
2500	0.77
3150	0.78
4000	0.75
5000	0.74

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

Hz

70 mm suspension, 200 mm $\alpha_W = 0.90$



f	α_s
100	0.37
125	0.52
160	0.56
200	0.56
250	0.76
315	0.94
400	0.94
500	0.92
630	0.91
800	0.87
1000	0.88
1250	0.87
1600	0.86
2000	0.83
2500	0.82
3150	0.82
4000	0.79
5000	0.78

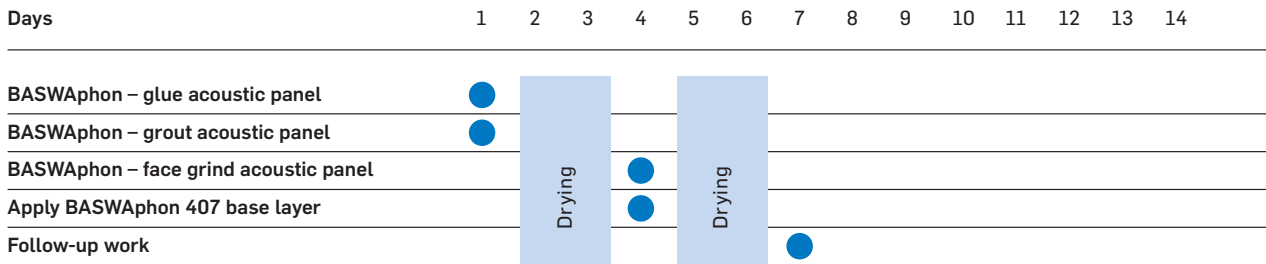
Sound absorption coefficients α_s according to ISO-Norm DIN EN ISO 20354

Hz

7 Installation time

The installation time given assumes a work group of three to four persons and a ceiling size of 80–100 m². The drying times of BASWAphon jointing and coating materials relate to the atmospheric conditions of the room: 20°C room temperature / 50% relative humidity. Allow each processing step to dry thoroughly, material humidity < 10%.

BASWAphon Base



8 Surface protection / Cleaning / Repairs

See BASWA planning documents www.baswa.com

9 Legal notice / Disclaimer

The present information, and in particular the suggestions for processing and application of our products, are based on our knowledge and experience in normal cases, providing that the products are properly stored, handled and applied. Due to the widely varying materials, bases and different working conditions, a guarantee for the results of the work or any liability, based on whatever legal relationship, cannot be based either on this information or from any oral consultations, unless it can be proved we have acted intentionally or with gross negligence. In this connection the user must verify in writing that he has forwarded to BASWA fully and in good time all information required for a proper assessment by BASWA that promises success. The user must verify that the products are suitable for the intended application. Product specifications are subject to change without notice. Property rights of third parties must be observed. Additionally, our relevant terms and conditions of sale are valid. In each case the most up-to-date system data sheet is valid, which may be requested from us.

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