



Summary of BASWA Phon Test Data - Europe

The BASWA Phon Seamless Sound Absorbing Plaster System has been tested by Independent Third Party testing agencies. Test Data simulates actual installed field condition details. Certified Test Data Reports are available upon request.

Acoustical Test Data

The chart below illustrates absorption coefficients and NRC Ratings for the standard BASWA Phon System thicknesses by respective Finish per DIN EN ISO 20354

BASWA Phon Acoustical Test Data (suspended ceiling)								
Absorption Coefficients (Hz)								
BASWA Phon System	125	250	500	1000	2000	4000	NRC Ratings	Class
30 mm Base finish	0.25	0.41	0.85	0.91	0.78	0.72	0.70	C
40 mm Base finish	0.37	0.62	0.90	0.91	0.84	0.73	0.85	B
50 mm Base finish	0.39	0.55	0.95	0.93	0.82	0.75	0.85	B
70 mm Base finish	0.52	0.76	0.92	0.88	0.83	0.79	0.90	B
30 mm Fine finish	0.34	0.47	0.83	0.85	0.72	0.66	0.75	C
40 mm Fine finish	0.40	0.49	0.91	0.88	0.78	0.87	0.80	B
50 mm Fine finish	0.41	0.56	0.97	0.91	0.81	0.74	0.85	B
70 mm Fine finish	0.54	0.66	0.84	0.77	0.71	0.67	0.75	C
30 mm Classic Base finish	0.45	0.43	0.71	0.88	0.72	0.67	0.75	C
40 mm Classic Base finish	0.43	0.61	0.92	0.97	0.91	0.91	0.95	A
50 mm Classic Base finish	0.32	0.40	0.93	0.73	0.73	0.63	0.65	C
70 mm Classic Base finish	0.39	0.60	0.91	0.63	0.68	0.56	0.75	C
30 mm Classic Fine finish	0.41	0.39	0.53	0.82	0.73	0.63	0.60	C
40 mm Classic Fine finish	0.45	0.57	0.92	0.85	0.83	0.71	0.90	B
50 mm Classic Fine finish	0.40	0.58	0.88	0.68	0.59	0.68	0.75	C
70 mm Classic Fine finish	0.49	0.75	0.95	0.83	0.68	0.70	0.75	B
30 mm Classic Top finish	0.28	0.37	0.78	0.75	0.68	0.66	0.70	C
40 mm Classic Top finish	0.39	0.53	0.82	0.68	0.55	0.56	0.65	C
50 mm Classic Top finish	0.35	0.68	0.74	0.68	0.61	0.58	0.65	C
70 mm Classic Top finish	0.46	0.85	0.76	0.72	0.68	0.66	0.70	C



BASWA Phon Acoustical Test Data (concret ceiling)								
Absorption Coefficients (Hz)								
BASWA Phon System	125	250	500	1000	2000	4000	NRC Ratings	Class
30 mm Base finish	0.13	0.34	0.84	0.88	0.75	0.68	0.70	C
40 mm Base finish	0.23	0.66	0.99	0.98	0.94	0.75	0.85	B
50 mm Base finish	0.21	0.84	0.96	0.86	0.79	0.73	0.85	B
70 mm Base finish	0.33	0.92	0.92	0.82	0.81	0.74	0.85	B
30 mm Fine finish	0.11	0.34	0.81	0.81	0.68	0.59	0.70	C
40 mm Fine finish	0.27	0.60	0.92	0.87	0.80	0.87	0.80	B
50 mm Fine finish	0.19	0.77	0.95	0.87	0.79	0.70	0.85	B
70 mm Fine finish	0.35	0.92	0.83	0.72	0.63	0.59	0.70	C
30 mm Classic Base finish	0.12	0.39	0.68	0.92	0.79	0.51	0.65	C
40 mm Classic Base finish	0.27	0.76	0.89	0.82	0.79	0.59	0.80	B
50 mm Classic Base finish	0.23	0.66	0.85	0.78	0.72	0.53	0.75	C
70 mm Classic Base finish	0.40	0.86	0.87	0.64	0.66	0.56	0.60	C
30 mm Classic Fine finish	0.16	0.45	0.71	0.83	0.66	0.68	0.70	C
40 mm Classic Fine finish	0.23	0.74	0.90	0.88	0.79	0.79	0.85	B
50 mm Classic Fine finish	0.27	0.86	0.82	0.83	0.66	0.61	0.75	B
70 mm Classic Fine finish	0.42	0.96	0.85	0.78	0.68	0.64	0.75	B
30 mm Classic Top finish	0.13	0.46	0.79	0.77	0.68	0.62	0.70	C
40 mm Classic Top finish	0.25	0.71	0.82	0.75	0.66	0.71	0.75	C
50 mm Classic Top finish	0.19	0.78	0.73	0.63	0.58	0.57	0.65	C
70 mm Classic Top finish	0.30	0.86	0.75	0.67	0.64	0.62	0.70	C

Fire Test Data

BASWA Phon has a Class A2-s1,d0 Fire Rating per European Norm NF EN 13823:2002 and NF EN ISO 1716:2002.

VOC Test Data

BASWA Phon is compliant with ISO 16000-3, ISO 16000-6, ISO 16000-9, ISO 16000-11, ISO 16000-17