

ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

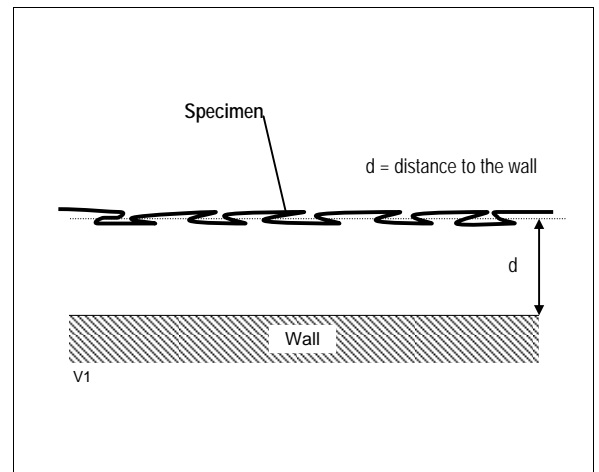
Specifications

Manufacturer	Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal (Switzerland)	
Product name	Lord	
Remarks, configuration	Decoration fabric Measurement configuration: Curtain draped by 100%, distance to the wall $d = 15$ cm	
Set-up (acc. ISO 354/Amd 1:1997)	Type G-015	No. of measurements 3 each microphone
Probe area	$4.35 \times 3.00 = 13.05 \text{ m}^2$	No. of used microphone 10
Temperature	20.1 °C	Used acoustic Signal White noise
Relative Humidity	35.7 % r.H.	Empty room measurement Interpolated values
Volume of the reverberation chamber	214.3 m^3	EEC Order No. 12593
Measurement No. / Date / Time	Nr. 04 / 30.01.2008 / 11h03'	Archive filename CRBA0804.ABS

EUT identification



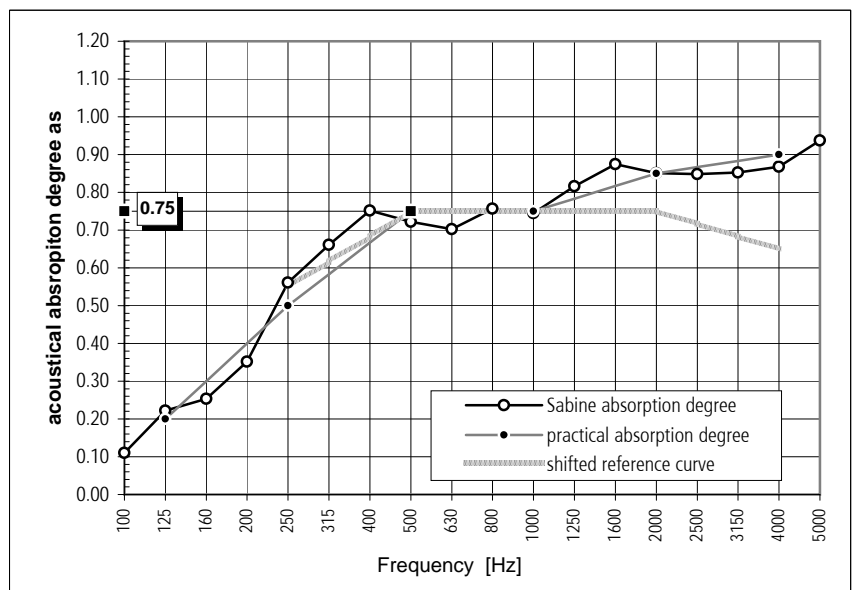
Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α_s	α_{pi}	α_w
100	20.90	11.19	0.11		
125	18.47	7.25	0.22	0.20	
160	15.40	6.22	0.25		
200	12.08	4.64	0.35		
250	10.97	3.30	0.56	0.50	
315	9.65	2.83	0.66		
400	8.06	2.45	0.75		
500	8.48	2.56	0.72	0.75	
630	7.99	2.56	0.70		
800	7.55	2.39	0.76		
1'000	6.93	2.35	0.74	0.75	
1'250	5.87	2.09	0.82		
1'600	5.18	1.91	0.87		
2'000	4.44	1.83	0.85	0.85	
2'500	3.78	1.71	0.85		
3'150	3.14	1.56	0.85		
4'000	2.45	1.36	0.87	0.90	
5'000	1.91	1.14	0.94		

α_w
0.75 (H)
Class "C"



Error: 100 - 315 Hz : 3.12% 400 - 1250 Hz : 2.13% 1600 - 5000 Hz : 1.67%

LEGEND

- T₁ = Reverberation time of the empty room
- T₂ = Reverberation time with the test specimen
- α_s = Sabine absorption degree
- α_{pi} = practical absorption degree
- α_w = assessed absorption degree

ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

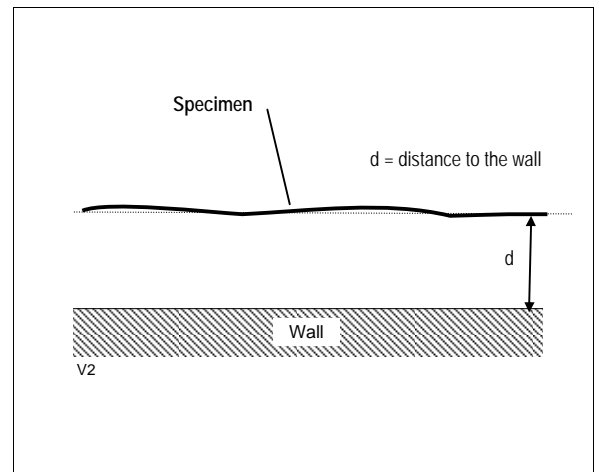
Specifications

Manufacturer	Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal (Switzerland)	
Product name	Lord	
Remarks, configuration	Decoration fabric Measurement configuration: Curtain panels, distance to the wall $d = 15$ cm	
Set-up (acc. ISO 354/Amd 1:1997)	Type G-015	No. of measurements 3 each microphone
Probe area	$4.30 \times 3.00 = 12.90 \text{ m}^2$	No. of used microphone 10
Temperature	20.1 °C	Used acoustic Signal White noise
Relative Humidity	35.3 % r.H.	Empty room measurement Interpolated values
Volume of the reverberation chamber	214.3 m^3	EEC Order No. 12593
Measurement No. / Date / Time	Nr. 03 / 30.01.2008 / 10h32'	Archive filename CRBA0803.ABS

EUT identification



Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α_s	α_{pi}	α_w
100	20.90	15.36	0.05	0.10	0.55
125	18.47	10.29	0.12		
160	15.39	8.26	0.15		
200	12.08	5.84	0.24		
250	10.97	4.19	0.40		
315	9.66	3.47	0.49		
400	8.06	2.85	0.61		
500	8.48	2.94	0.60		
630	7.99	3.04	0.55		
800	7.55	3.28	0.46		
1'000	6.94	3.04	0.50		
1'250	5.87	2.75	0.52		
1'600	5.17	2.55	0.53		
2'000	4.44	2.27	0.58		
2'500	3.77	2.07	0.58		
3'150	3.13	1.86	0.58		
4'000	2.45	1.56	0.62		
5'000	1.91	1.29	0.67		

