



ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

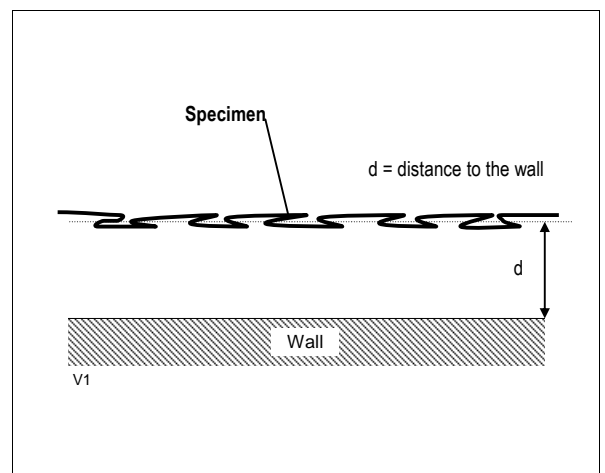
Specifications

Manufacturer	Creation Baumann - Weberei und Färberei AG - CH-4901 Langenthal
Product name	GORDON
Remarks, configuration	Decoration fabric Measurement configuration: Curtain draped by 100%, average distance to the wall d = 15 cm
Set-up (acc. ISO 354/Amd 1:1997)	Type G-015
Probe area	3.00 x 4.20 = 12.60 m ²
Temperature	22.0 °C
Relative Humidity	25.0 % r.H.
Volume of the reverberation chamber	214.3 m ³
Measurement No. / Date / Time	Nr. 04 / 28.01.2010 /10h55'
	No. of measurements 3 each microphone
	No. of used microphone 10
	Used acoustic signal White noise
	Empty room measurement Interpolated values
	EEC Order No. 12878
	Archive filename CRBA1004.ABS

EUT identification



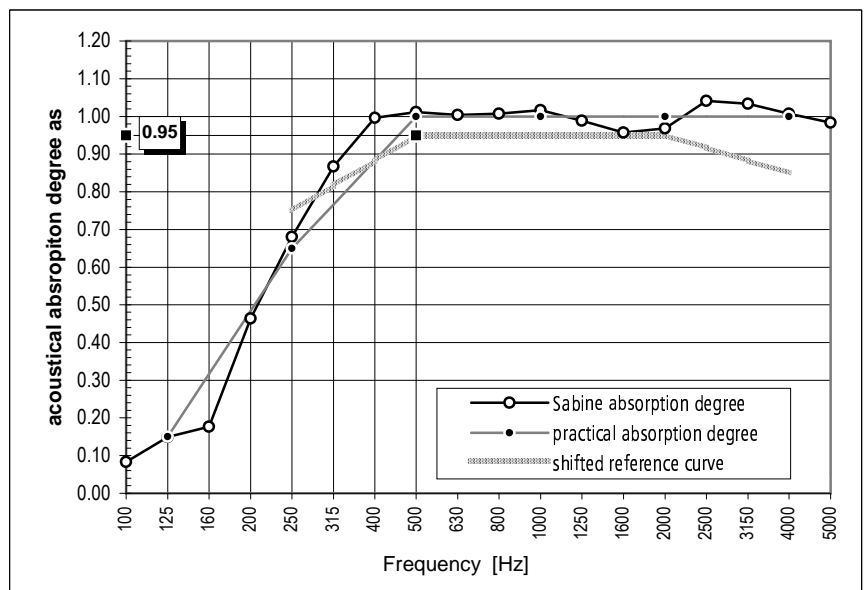
Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α _s	α _{pi}	α _w
100	19.77	12.36	0.08	0.15	0.95
125	17.65	8.99	0.15		
160	14.74	7.55	0.18		
200	11.43	3.89	0.46	0.65	
250	10.58	2.91	0.68		
315	9.57	2.37	0.87		
400	7.81	2.03	1.00	1.00	
500	8.33	2.04	1.01		
630	7.99	2.03	1.00	1.00	
800	7.46	1.99	1.01		
1'000	6.72	1.92	1.02		
1'250	5.60	1.85	0.99	1.00	
1'600	4.66	1.77	0.96		
2'000	3.97	1.65	0.97	1.00	
2'500	3.29	1.46	1.04		
3'150	2.64	1.32	1.03		
4'000	2.00	1.15	1.01	1.00	
5'000	1.47	0.96	0.98		

0.95
Class "A"



Error : 100 - 315 Hz : 3.81% 400 - 1250 Hz : 2.19% 1600 - 5000 Hz : 2.16%

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



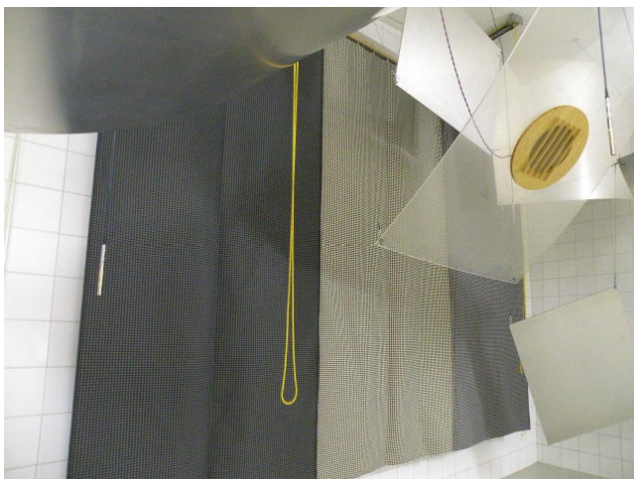
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ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

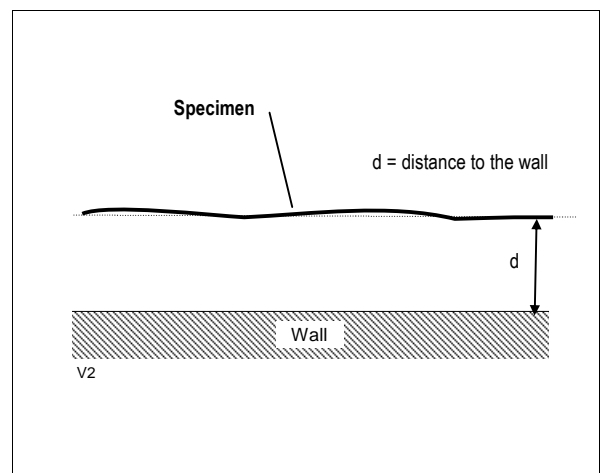
Specifications

Manufacturer	Creation Baumann - Weberei und Färberei AG - CH-4901 Langenthal	No. of measurements	3 each microphone
Product name	GORDON	No. of used microphone	10
Remarks, configuration	Decoration fabric Measurement configuration: Curtain panels, average distance to the wall d = 15 cm	Used acoustic signal	White noise
Set-up (acc. ISO 354/Amd 1:1997)	Type G-015	Empty room measurement	Interpolated values
Probe area	3.00 x 4.20 = 12.60 m ²	EEC Order No.	12878
Temperature	22.0 °C	Archive filename	CRBA1003.ABS
Relative Humidity	25.0 % r.H.		
Volume of the reverberation chamber	214.3 m ³		
Measurement No. / Date / Time	Nr. 03 / 28.01.2010 /10h20'		

EUT identification

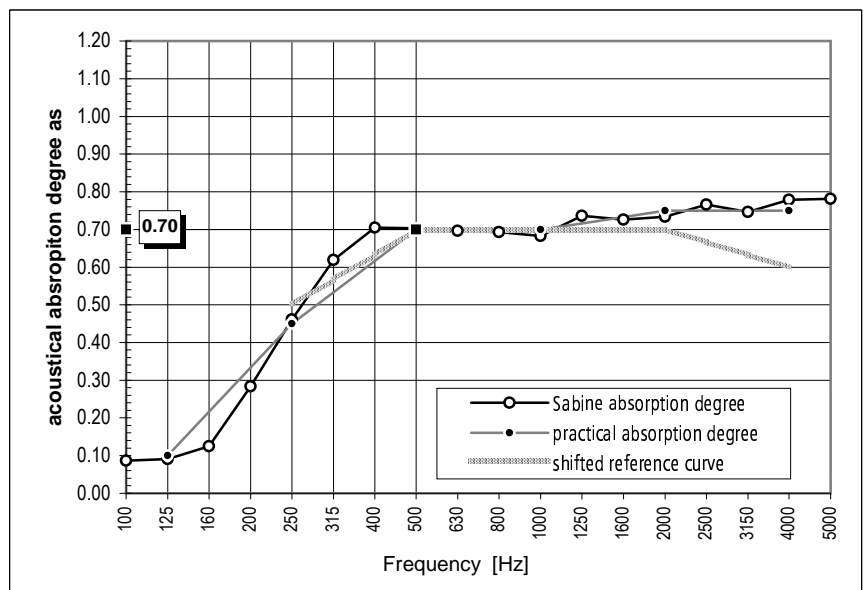


Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α _s	α _{pi}	α _w
100	19.70	12.11	0.09	0.10	0.70
125	17.64	11.13	0.09		
160	14.73	8.80	0.12		
200	11.42	5.23	0.28	0.45	
250	10.59	3.80	0.46		
315	9.57	3.02	0.62	0.70	
400	7.81	2.59	0.71		
500	8.35	2.65	0.70	0.70	
630	7.98	2.63	0.70		
800	7.47	2.58	0.69	0.70	
1'000	6.73	2.51	0.68		
1'250	5.59	2.23	0.74	0.75	
1'600	4.65	2.08	0.73		
2'000	3.97	1.92	0.73	0.75	
2'500	3.29	1.71	0.77		
3'150	2.63	1.53	0.75	0.75	
4'000	1.99	1.27	0.78		
5'000	1.46	1.03	0.78		



Error : 100 - 315 Hz : 3.73% 400 - 1250 Hz : 2.16% 1600 - 5000 Hz : 2.50%

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