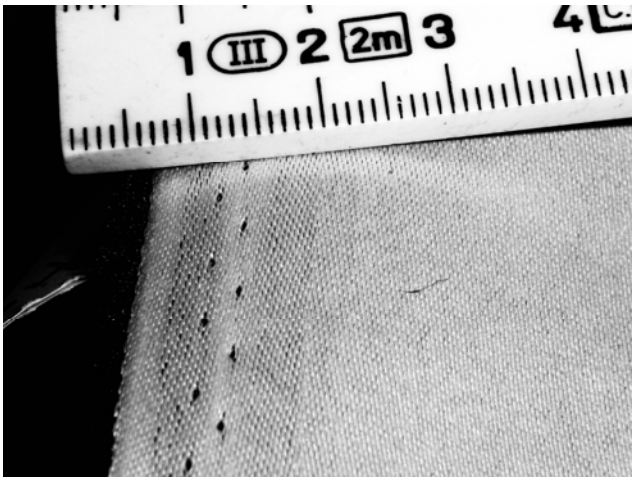
ACOUSTIC ABSORBTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

Specifications

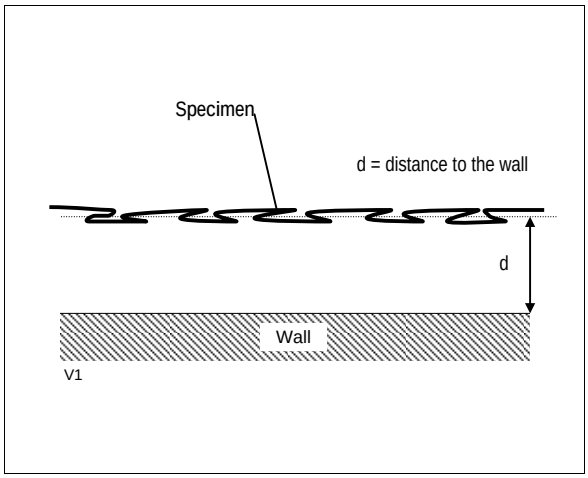
Manufacturer	**Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal (Switzerland)**
Product name	**DIMMER**
Remarks, configuration	Decoration fabric Measurement configuration: curtain draped by 100 %, distance to the wall d = 15 cm

Set-up (acc. ISO 354/Amd 1:1997)	Type G-150	No. of measurements	3 each microphon
Probe area	13.5 m^2	No. of used microphon	10
Temperature	19.6 °C	Used acoustic Signal	White noise
Relative Humidity	57.1 % r.H.	Empty room measurement	Measureded values
Volume of the reverberation chamber	214.3 m^3	EEC Order No.	8727
Measurement No. / Date / Time	23 / 27.05.2003 / 15h55'	Archive filename	DIMMER01.ABS

EUT identification

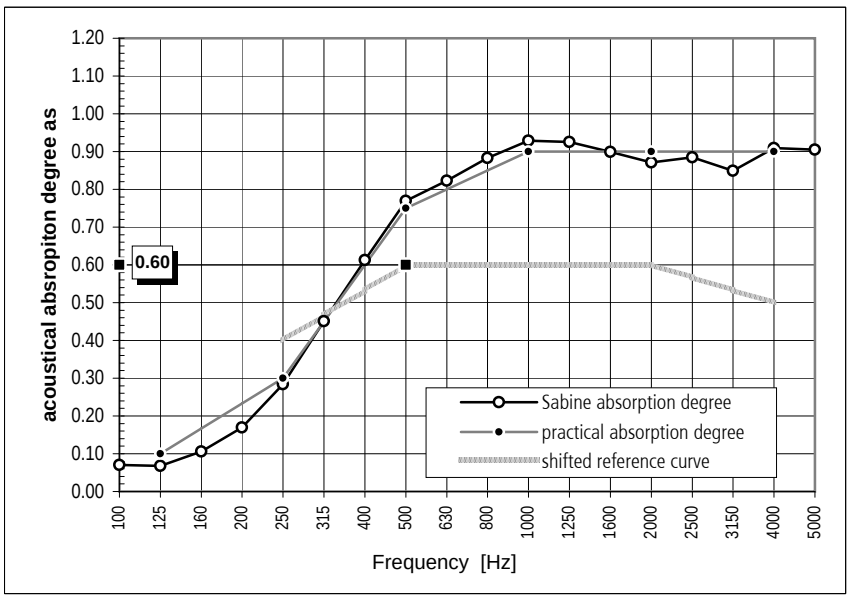


Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T_1	T_2	α_s	α_{pi}	α_w
100	20.16	12.99	**0.07**		
125	18.42	12.38	**0.07**	**0.10**	
160	15.25	9.36	**0.11**		
200	12.23	6.76	**0.17**		
250	11.18	4.99	**0.28**	**0.30**	
315	9.68	3.58	**0.45**		
400	8.04	2.75	**0.61**		
500	8.48	2.39	**0.77**	**0.75**	**0.60 (MHH) Class "C"**
630	8.13	2.25	**0.82**		
800	7.62	2.1	**0.88**		
1'000	7.02	1.98	**0.93**	**0.90**	
1'250	5.96	1.89	**0.93**		
1'600	5.36	1.86	**0.90**		
2'000	4.78	1.82	**0.87**	**0.90**	
2'500	4.3	1.73	**0.88**		
3'150	3.69	1.66	**0.85**		
4'000	3.03	1.46	**0.91**	**0.90**	
5'000	2.44	1.31	**0.91**		



LEGEND

T_1 = Reverberation time of the empty room

T_2 = Reverberation time with the test specimen

α_s = Sabine absorption degree

α_{pi} = practical absorption degree

α_w = assesed absorption degree

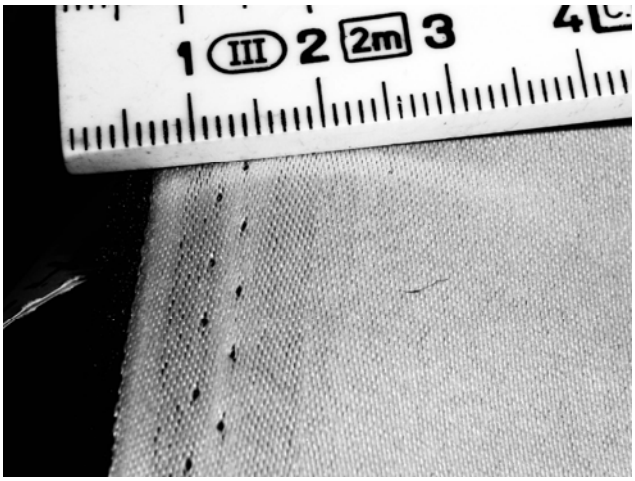
ACOUSTIC ABSORBTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

Specifications

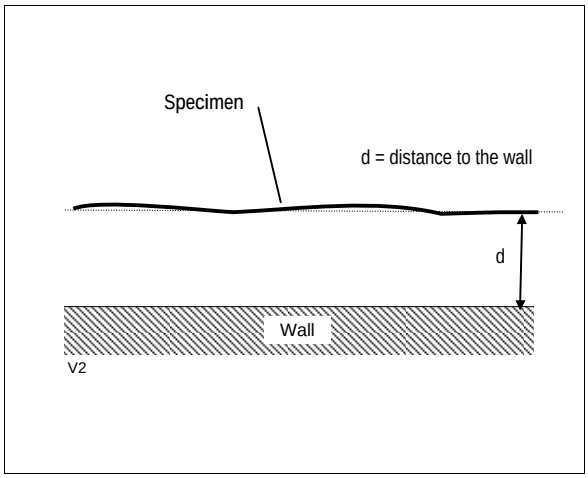
Manufacturer	**Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal (Switzerland)**
Product name	**DIMMER**
Remarks, configuration	Decoration fabric Measurement configuration: curtain panels, distance to the wall d = 15 cm

Set-up (acc. ISO 354/Amd 1:1997)	Type G-150	No. of measurements	2 each microphon
Probe area	13.5 m^2	No. of used microphon	10
Temperature	19.7 °C	Used acoustic Signal	White noise
Relative Humidity	57.0 % r.H.	Empty room measurement	Interpolated values
Volume of the reverberation chamber	214.3 m^3	EEC Order No.	8727
Measurement No. / Date / Time	24 / 27.05.2003 / 16h20'	Archive filename	DIMMER02.ABS

EUT identification

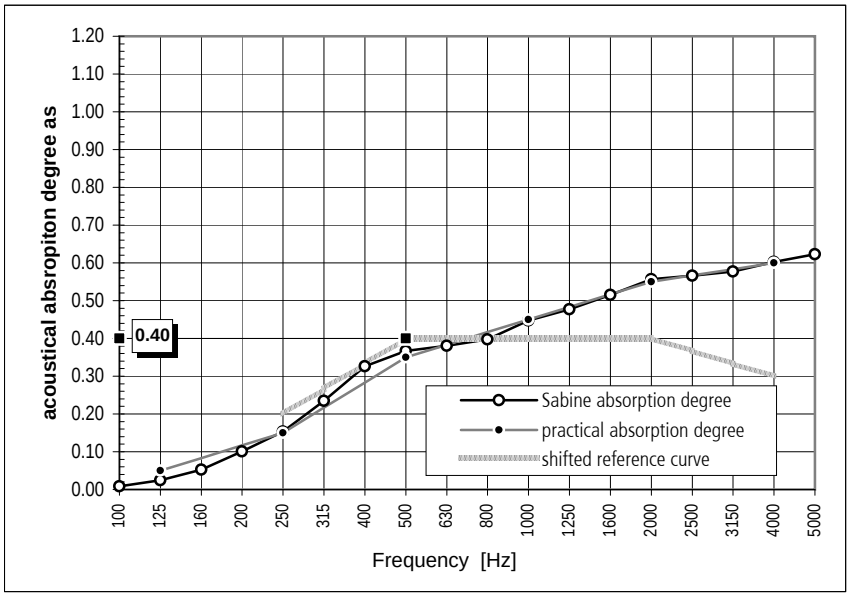


Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T_1	T_2	α_s	α_{pi}	α_w
100	20.15	18.91	**0.01**		
125	18.42	15.66	**0.02**	**0.05**	
160	15.22	11.58	**0.05**		
200	12.24	8.27	**0.10**		
250	11.15	6.68	**0.15**	**0.15**	
315	9.68	5.13	**0.23**		
400	8.04	3.97	**0.33**		
500	8.48	3.83	**0.37**	**0.35**	**0.40 (H) Class "D"**
630	8.13	3.68	**0.38**		
800	7.62	3.49	**0.40**		
1'000	7.01	3.15	**0.45**	**0.45**	
1'250	5.99	2.83	**0.48**		
1'600	5.37	2.58	**0.52**		
2'000	4.76	2.34	**0.56**	**0.55**	
2'500	4.28	2.20	**0.57**		
3'150	3.67	2.01	**0.58**		
4'000	3.03	1.77	**0.60**	**0.60**	
5'000	2.44	1.53	**0.62**		



LEGEND

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