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ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

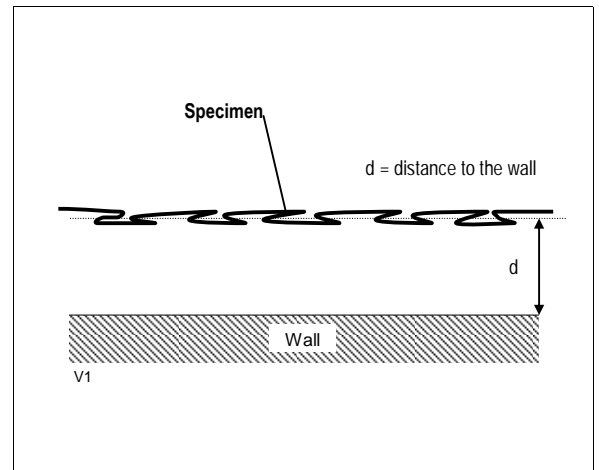
Specifications

Manufacturer	Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal	
Product name	SALTO 100% PLF Trevira CS	
Remarks, configuration	Decoration fabric Measurement configuration: Curtain draped by 100%, average distance to the wall $d = 15$ cm	
Set-up (acc. ISO 354/2nd Ed.:2003)	Type G-150	No. of measurements 3 each microphone
Probe area	$3.00 \times 3.04 = 9.12 \text{ m}^2$	No. of used microphone 6
Temperature	20.7 °C	Used acoustic Signal White noise
Relative Humidity	27.2 % r.H.	Empty room measurement Interpolated values
Volume of the reverberation chamber	214.3 m ³	EEC Order No. 13043
Measurement No. / Date / Time	Nr. 02 / 28.02.2012 / 09h27'	Archive filename CRBA1202
Tested by	E. Blondel	

EUT identification

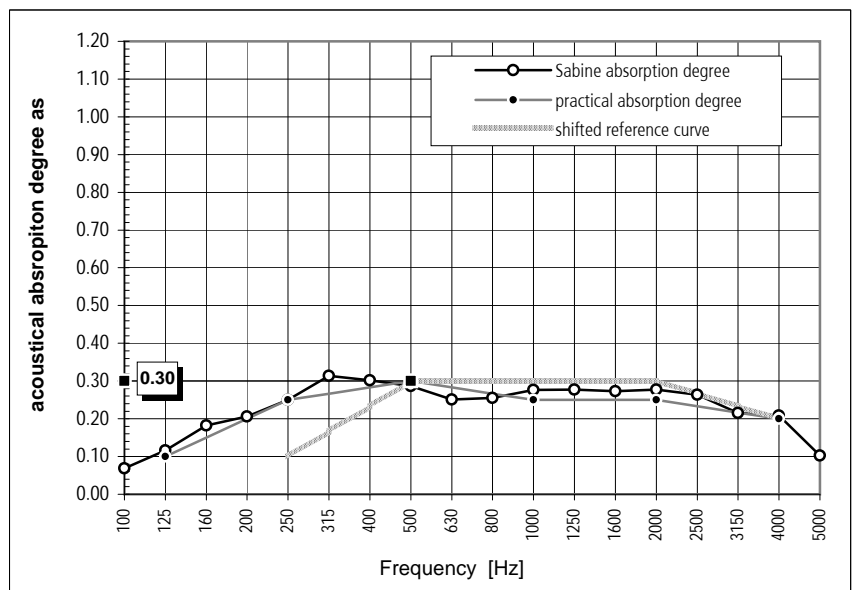


Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α_s	α_{pi}	α_w
100	19.13	14.22	0.07	0.10	0.30 Class "D"
125	17.12	11.23	0.12		
160	14.63	8.58	0.18		
200	11.60	7.11	0.21	0.25	
250	10.76	6.29	0.25		
315	9.75	5.39	0.31		
400	7.94	4.86	0.30	0.30	
500	8.50	5.17	0.29		
630	8.15	5.29	0.25		
800	7.50	4.98	0.26	0.25	
1'000	6.79	4.54	0.28		
1'250	5.62	3.98	0.28		
1'600	4.77	3.55	0.27	0.25	
2'000	4.01	3.10	0.28		
2'500	3.33	2.70	0.26		
3'150	2.66	2.31	0.22	0.20	
4'000	2.04	1.83	0.21		
5'000	1.50	1.44	0.10		



Error : 100 - 315 Hz : 7.10% 400 - 1250 Hz : 3.78% 1600 - 5000 Hz : 23.88%

LEGEND	α_s = Sabine absorption degree
T ₁ = Reverberation time of the empty room	α_{pi} = practical absorption degree
T ₂ = Reverberation time with the test specimen	α_w = assessed absorption degree

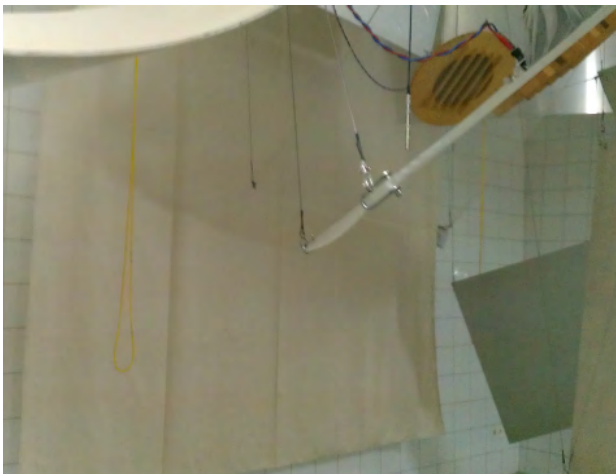


ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

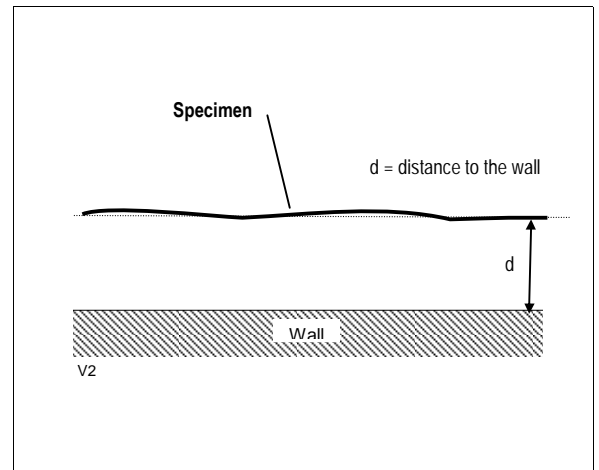
Specifications

Manufacturer	Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal	
Product name	SALTO 100% PLF Trevira CS	
Remarks, configuration	Decoration fabric Measurement configuration: Curtain panels, average distance to the wall $d = 15\text{ cm}$	
Set-up (acc. ISO 354/2nd Ed.:2003)	Type G-150	No. of measurements 3 each microphone
Probe area	$3.00 \times 3.04 = 9.12\text{ m}^2$	No. of used microphone 6
Temperature	20.7 °C	Used acoustic Signal White noise
Relative Humidity	27.4 % r.H.	Empty room measurement Interpolated values
Volume of the reverberation chamber	214.3 m ³	EEC Order No. 13043
Measurement No. / Date / Time	Nr. 01 / 28.02.2012 / 09h00'	Archive filename CRBA1201
Tested by	E. Blondel	

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	19.08	18.07	0.01	0.05	0.15
125	17.17	14.28	0.04		
160	14.66	11.29	0.08		
200	11.57	8.75	0.11	0.15	
250	10.76	7.56	0.15		
315	9.74	6.31	0.21		
400	7.95	5.60	0.20	0.20	
500	8.48	5.83	0.20		
630	8.14	6.01	0.16		
800	7.49	6.04	0.12	0.15	
1'000	6.78	5.40	0.14		
1'250	5.58	4.60	0.14		
1'600	4.73	4.08	0.13	0.10	
2'000	3.98	3.55	0.12		
2'500	3.28	3.04	0.09		
3'150	2.62	2.53	0.05	0.10	
4'000	2.00	1.93	0.08		
5'000	1.47	1.41	0.12		

