



ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)

Specifications

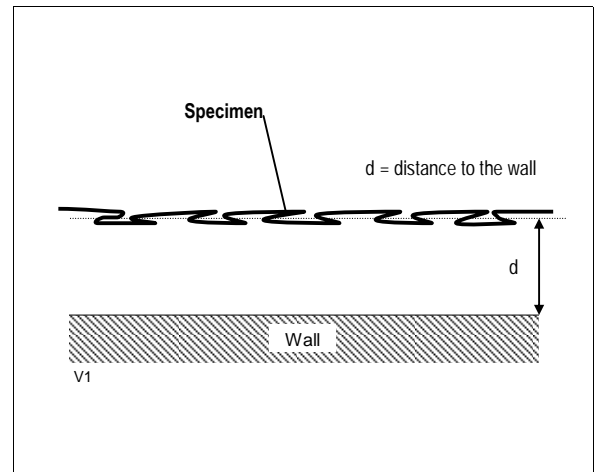
Manufacturer **Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal**
 Product name **UNOS 100% PLF Trevira**
 Remarks, configuration Decoration fabric
 Measurement configuration: Curtain draped by 100%, average distance to the wall $d = 15\text{ cm}$

Set-up (acc. ISO 354/2nd Ed.:2003)	Type G-150	No. of measurements	3 each microphone
Probe area	$3.10 \times 3.00 = 9.30\text{ m}^2$	No. of used microphone	6
Temperature	20.8 °C	Used acoustic Signal	White noise
Relative Humidity	27.7 % 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. 06 / 28.02.2012 / 11h00'	Archive filename	CRBA1206
Tested by	E. Blondel		

EUT identification

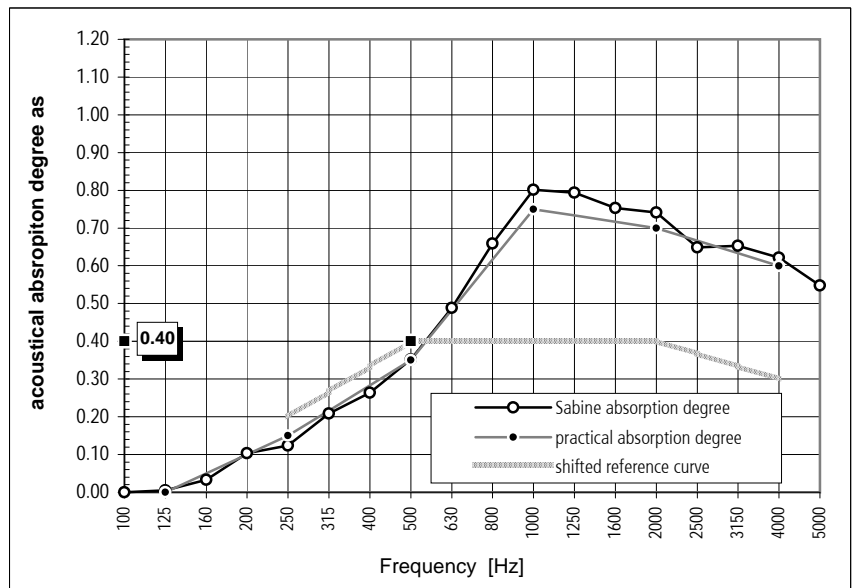


Test set-up



Measurement results (acc. ISO 354, ISO 11654)

Freq. [Hz]	T ₁	T ₂	α _s	α _{pi}	α _w
100	19.31	19.30	0.00	0.00	0.40 (MHH) Class "D"
125	16.94	16.55	0.01		
160	14.55	12.87	0.03		
200	11.68	8.81	0.10	0.15	
250	10.79	7.93	0.12		
315	9.80	6.32	0.21		
400	7.90	5.06	0.26	0.35	
500	8.55	4.72	0.35		
630	8.18	3.94	0.49		
800	7.52	3.22	0.66	0.75	
1'000	6.83	2.76	0.80		
1'250	5.76	2.58	0.79		
1'600	4.92	2.46	0.75	0.70	
2'000	4.12	2.26	0.74		
2'500	3.47	2.16	0.65		
3'150	2.79	1.87	0.65	0.60	
4'000	2.15	1.58	0.62		
5'000	1.59	1.29	0.55		



Error: 100 - 315 Hz : ##### 400 - 1250 Hz : 4.04% 1600 - 5000 Hz : 4.70%

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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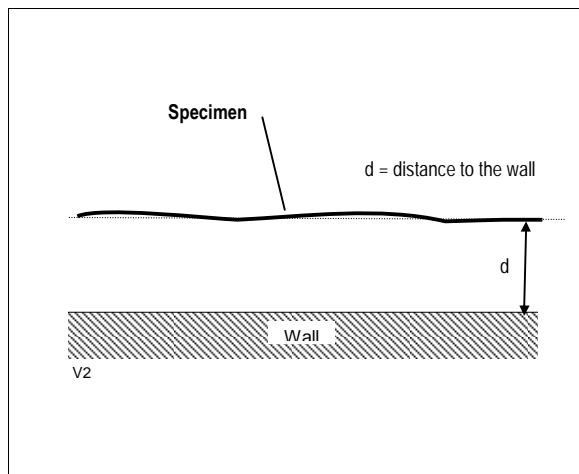
Specifications

Manufacturer	Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal	No. of measurements	3 each microphone
Product name	UNOS 100% PLF Trevira	No. of used microphone	6
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 354/2nd Ed.:2003)	Type G-150	Empty room measurement	Interpolated values
Probe area	3.10 x 3.00 = 9.30 m ²	EEC Order No.	13043
Temperature	20.8 °C	Archive filename	CRBA1205
Relative Humidity	27.8 % r.H.		
Volume of the reverberation chamber	214.3 m ³		
Measurement No. / Date / Time	Nr. 05 / 28.02.2012 / 10h40'		
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	19.27	18.93	0.00	0.00	0.25 Class "E"
125	16.98	16.77	0.00		
160	14.57	14.05	0.01		
200	11.66	9.88	0.06	0.10	
250	10.78	8.76	0.08		
315	9.79	7.44	0.12	0.15	
400	7.91	6.04	0.15		
500	8.54	6.07	0.18	0.30	
630	8.18	5.79	0.19		
800	7.52	4.95	0.26	0.35	
1'000	6.82	4.27	0.33		
1'250	5.73	3.77	0.34	0.30	
1'600	4.88	3.32	0.36		
2'000	4.10	2.94	0.36		
2'500	3.44	2.59	0.35		
3'150	2.76	2.25	0.30		
4'000	2.12	1.79	0.33		
5'000	1.57	1.40	0.29		

