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**ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)**

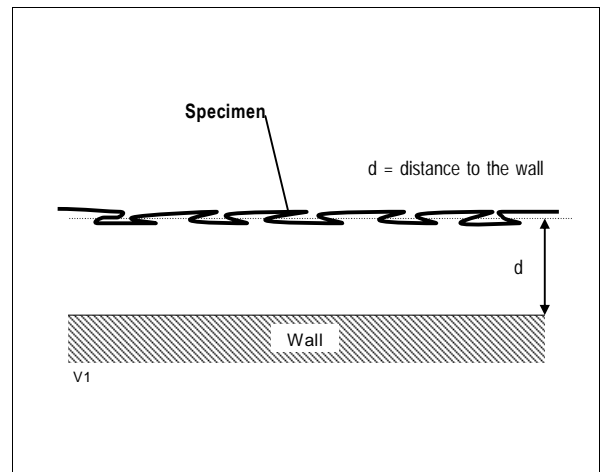
**Specifications**

Manufacturer	<b>Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal</b>
Product name	<b>MYSTERY 100% PLF Trevira</b>
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
Probe area	3.00 x 3.00 = 9.00 m <sup>2</sup>
Temperature	20.8 °C
Relative Humidity	27.4 % r.H.
Volume of the reverberation chamber	214.3 m <sup>3</sup>
Measurement No. / Date / Time	Nr. 08 / 28.02.2012 / 11h40'
Tested by	E. Blondel
	No. of measurements 3 each microphone
	No. of used microphone 6
	Used acoustic Signal White noise
	Empty room measurement Interpolated values
	EEC Order No. 13043
	Archive filename CRBA1208

**EUT identification**

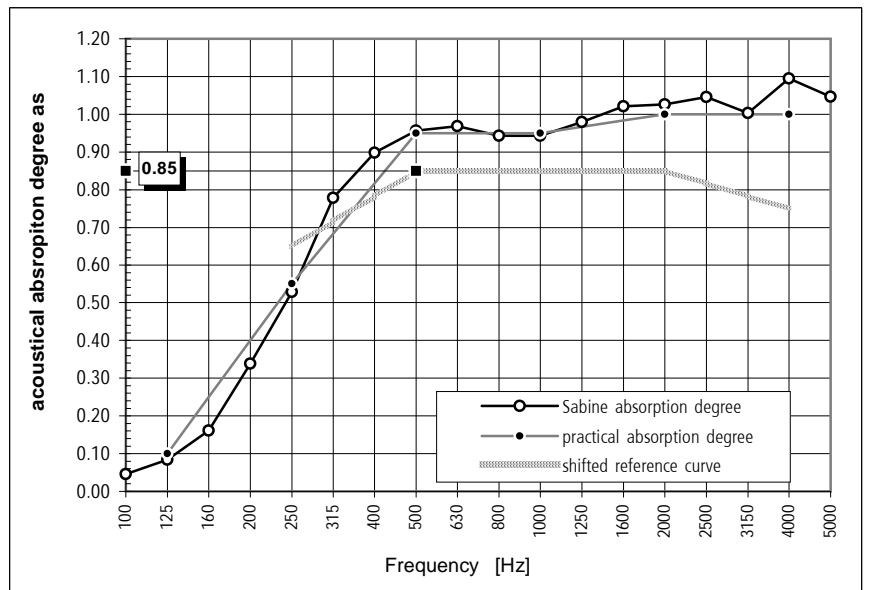


**Test set-up**



**Measurement results (acc. ISO 354, ISO 11654)**

Freq. [Hz]	T <sub>1</sub>	T <sub>2</sub>	α <sub>s</sub>	α <sub>pi</sub>	α <sub>w</sub>
100	19.38	15.75	0.05	0.10	0.85 (H) Class "B"
125	16.87	12.31	0.08		
160	14.52	9.02	0.16		
200	11.71	5.76	0.34	0.55	
250	10.80	4.34	0.53		
315	9.82	3.28	0.78	0.95	
400	7.89	2.77	0.90		
500	8.57	2.73	0.96	1.00	
630	8.20	2.67	0.97		
800	7.53	2.64	0.94	1.00	
1'000	6.85	2.55	0.94		
1'250	5.82	2.34	0.98		
1'600	4.98	2.14	1.02		
2'000	4.17	1.97	1.03		
2'500	3.54	1.80	1.05		
3'150	2.84	1.63	1.00		
4'000	2.20	1.35	1.10		
5'000	1.63	1.13	1.05		



**Error :** 100 - 315 Hz : 9.64%    400 - 1250 Hz : 2.78%    1600 - 5000 Hz : 2.92%

**LEGEND**

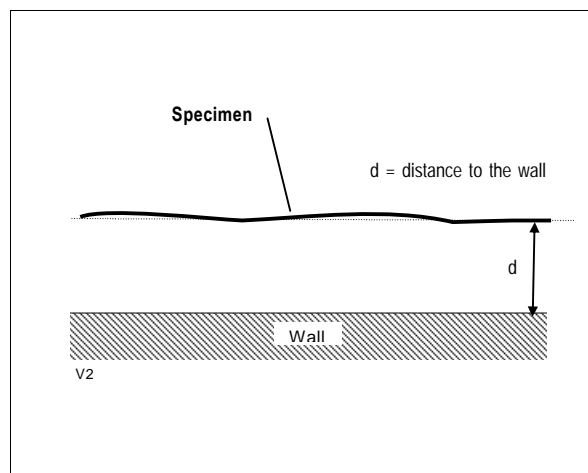
- T<sub>1</sub> = Reverberation time of the empty room
- T<sub>2</sub> = Reverberation time with the test specimen
- α<sub>s</sub> = Sabine absorption degree
- α<sub>pi</sub> = practical absorption degree
- α<sub>w</sub> = assessed absorption degree



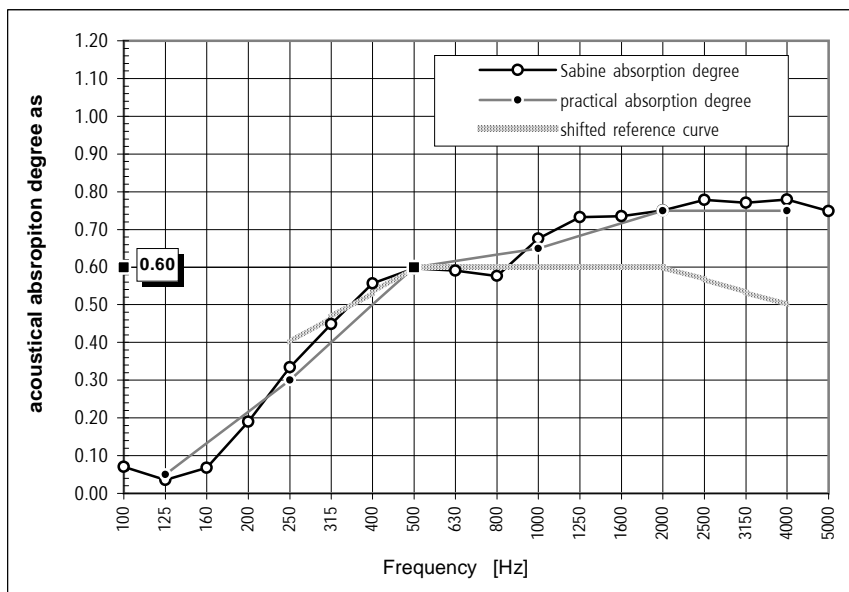
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**ACOUSTIC ABSORPTION MEASUREMENT PROTOCOL (ISO 354, ISO 11654)****Specifications**

Manufacturer	<b>Création Baumann - Weberei und Färberei AG - CH-4901 Langenthal</b>		
Product name	<b>MYSTERY 100% PLF Trevira</b>		
Remarks, configuration	Decoration fabric Measurement configuration: Curtain panels, 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	$3.00 \times 3.00 = 9.00 \text{ m}^2$	No. of used microphone	6
Temperature	20.8 °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 <sup>3</sup>	EEC Order No.	13043
Measurement No. / Date / Time	Nr. 07 / 28.02.2012 / 11h25'	Archive filename	CRBA1207
Tested by	E. Blondel		

**EUT identification****Test set-up****Measurement results (acc. ISO 354, ISO 11654)**

Freq. [Hz]	T <sub>1</sub>	T <sub>2</sub>	$\alpha_s$	$\alpha_{pi}$	$\alpha_w$
100	19.36	14.26	0.07	0.05	
125	16.90	14.59	0.04		
160	14.53	11.55	0.07		
200	11.70	7.40	0.19	0.30	
250	10.80	5.56	0.33		
315	9.81	4.57	0.45	0.60	0.60 (H)
400	7.89	3.68	0.56		
500	8.56	3.67	0.60	0.65	Class "C"
630	8.19	3.62	0.59		
800	7.53	3.53	0.58	0.75	
1'000	6.84	3.10	0.68		
1'250	5.80	2.75	0.73	0.75	
1'600	4.95	2.54	0.74		
2'000	4.15	2.29	0.75	0.75	
2'500	3.51	2.05	0.78		
3'150	2.82	1.80	0.77	0.75	
4'000	2.18	1.51	0.78		
5'000	1.62	1.23	0.75		



Error : 100 - 315 Hz : 12.72%    400 - 1250 Hz : 3.00%    1600 - 5000 Hz : 3.71%

**LEGEND**

T<sub>1</sub> = Reverberation time of the empty room  
T<sub>2</sub> = Reverberation time with the test specimen

$\alpha_s$  = Sabine absorption degree  
 $\alpha_{pi}$  = practical absorption degree  
 $\alpha_w$  = assessed absorption degree