Akemi G-100

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

SWEDAC ACKREDITERING 10036 ISO/IEC 17025

Report number: 13-200-M5

Date 2014-01-21

Frequency f [Hz]	Sound absorption coefficient α_s	α_p
50	0.03	
63	0.02	0.00
80	0.02	
100	0.07	
125	0.05	0.05
160	0.08	
200	0.20	
250	0.31	0.30
315	0.43	
400	0.57	
500	0.64	0.65
630	0.71	
800	0.73	
1000	0.72	0.75
1250	0.73	
1600	0.75	
2000	0.77	0.75
2500	0.80	
3150	0.83	
4000	0.88	0.90
5000	0.99	

α_w = 0.60(H)

Absorption class = C

Client: Artimo Textiles BV

Product identification: Akemi

Description of test specimen: G-100, draperad
210 g/m2, 100% polyester Trevira CS
Total ej draperad tygyta 2,90x7,00

Reverberation room volume: 200 m³

Temperature: 15 °C (empty: 13 °C)

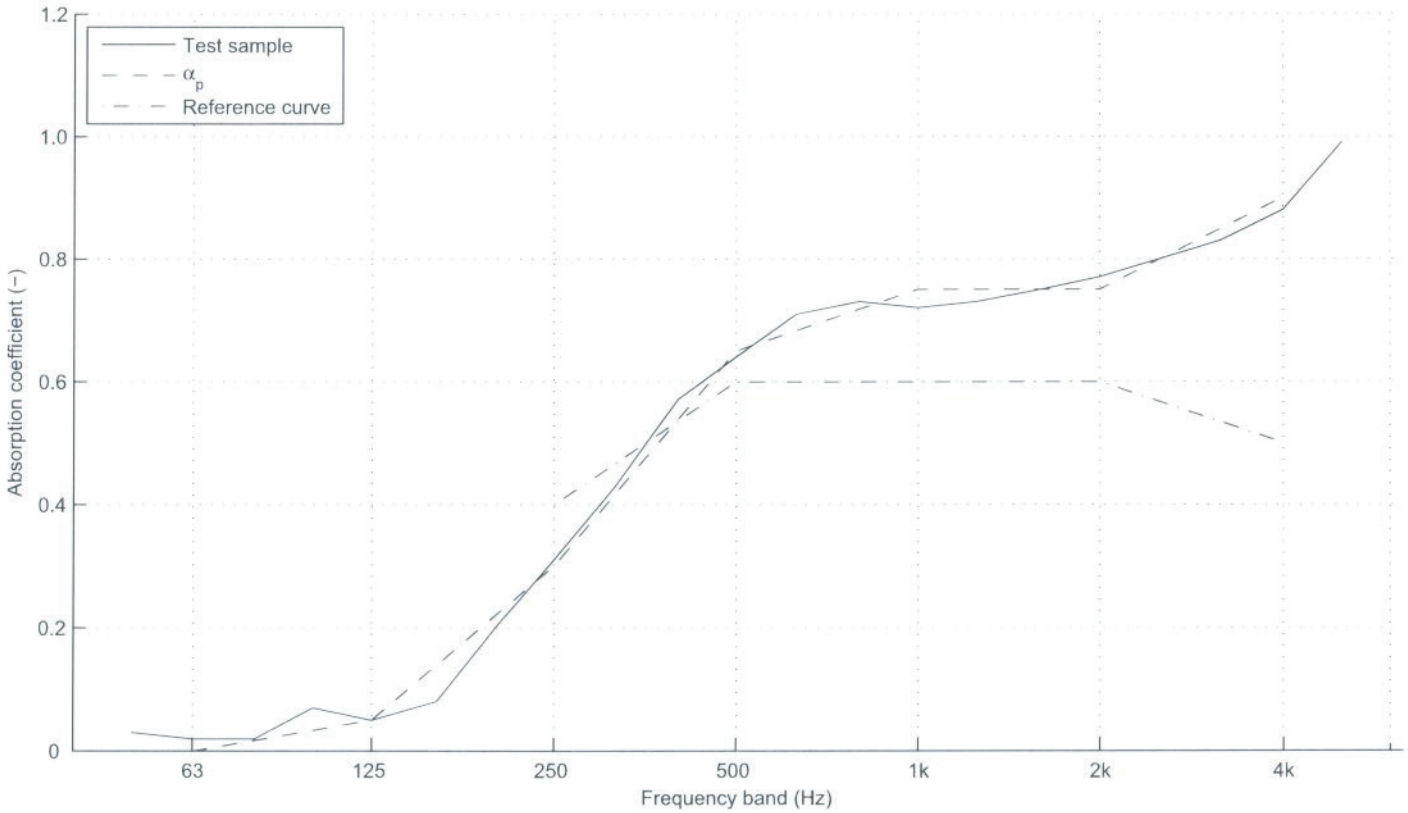
Air humidity: 42 % (empty: 45 %)

Air pressure: 100.3 kPa (empty: 100.3 kPa)

Size of specimen: 10.2 m²

Measurement date: 2014-01-14

Measured by: Magnus Karlsson



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