Wall

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

SWEDAC ACKREDITERING 10126 ISO/IEC 17025

Report number: 15-226-M2

Date 2015-11-11

Frequency f [Hz]	Sound absorption coefficient α_s	α_p
50	0.00	
63	0.01	0.00
80	0.00	
100	0.00	
125	0.03	0.00
160	0.04	
200	0.05	
250	0.07	0.05
315	0.10	
400	0.15	
500	0.22	0.25
630	0.33	
800	0.47	
1000	0.55	0.55
1250	0.69	
1600	0.80	
2000	0.90	0.90
2500	1.00	
3150	0.96	
4000	0.85	0.85
5000	0.76	

α_w = 0.30(MH)

Absorption class = D

Client: Offect

Manufacturer: Offect

Product identification: Wall

Description of test specimen: Corrugated felt absorbers (each 2340x585x50 mm) placed directly on floor, type A mounting.

Reverberation room volume: 200 m³

Temperature: 14.5 °C (empty: 14.7 °C)

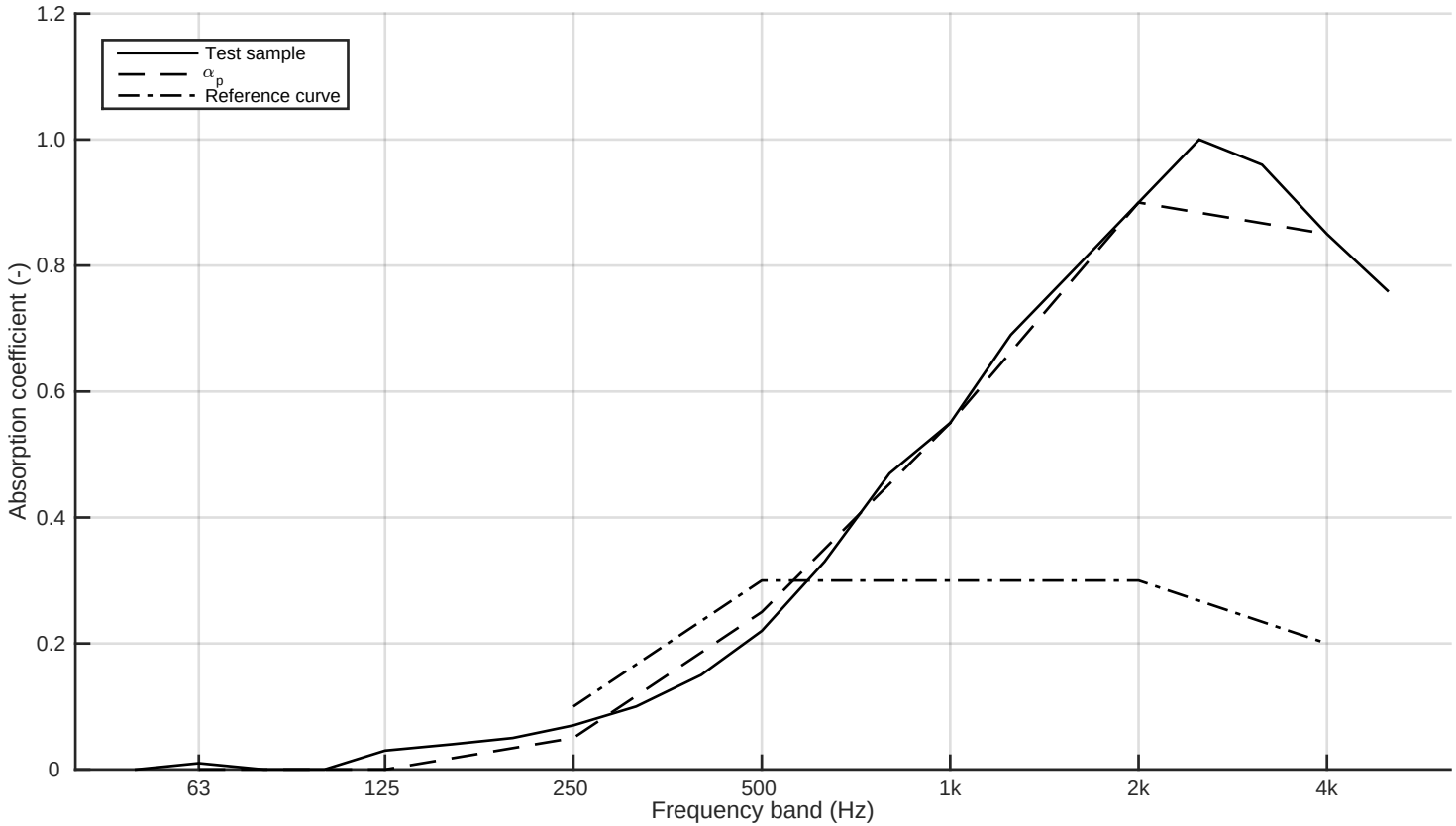
Air humidity: 63 % (empty: 63 %)

Air pressure: 97.6 kPa (empty: 97.6 kPa)

Size of specimen: 9.9 m²

Measurement date: 2015-11-10

Measured by: Carl Nyqvist



AKUSTIKVERKSTAN