Geo + basfill

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: 14−41−M4

Date 2014−04−01

Frequency f [Hz]	Sound absorption coefficient α_s	α_p
50	0.02	
63	0.03	0.05
80	0.07	
100	0.09	
125	0.13	0.20
160	0.31	
200	0.43	
250	0.64	0.65
315	0.84	
400	0.96	
500	1.03	1.00
630	1.00	
800	1.03	
1000	1.05	1.00
1250	1.01	
1600	0.94	
2000	0.95	0.95
2500	0.96	
3150	0.91	
4000	0.90	0.95
5000	0.99	

α_w = 0.95

Absorption class = A

Client: Offect

Manufacturer: Offect

Product identification: Geo + basfill

Description of test specimen: Geo med fyllning, 30 paneler direkt på golv, typ A−montage.

Reverberation room volume: 200 m^3

Temperature: 14 °C (empty: 14 °C)

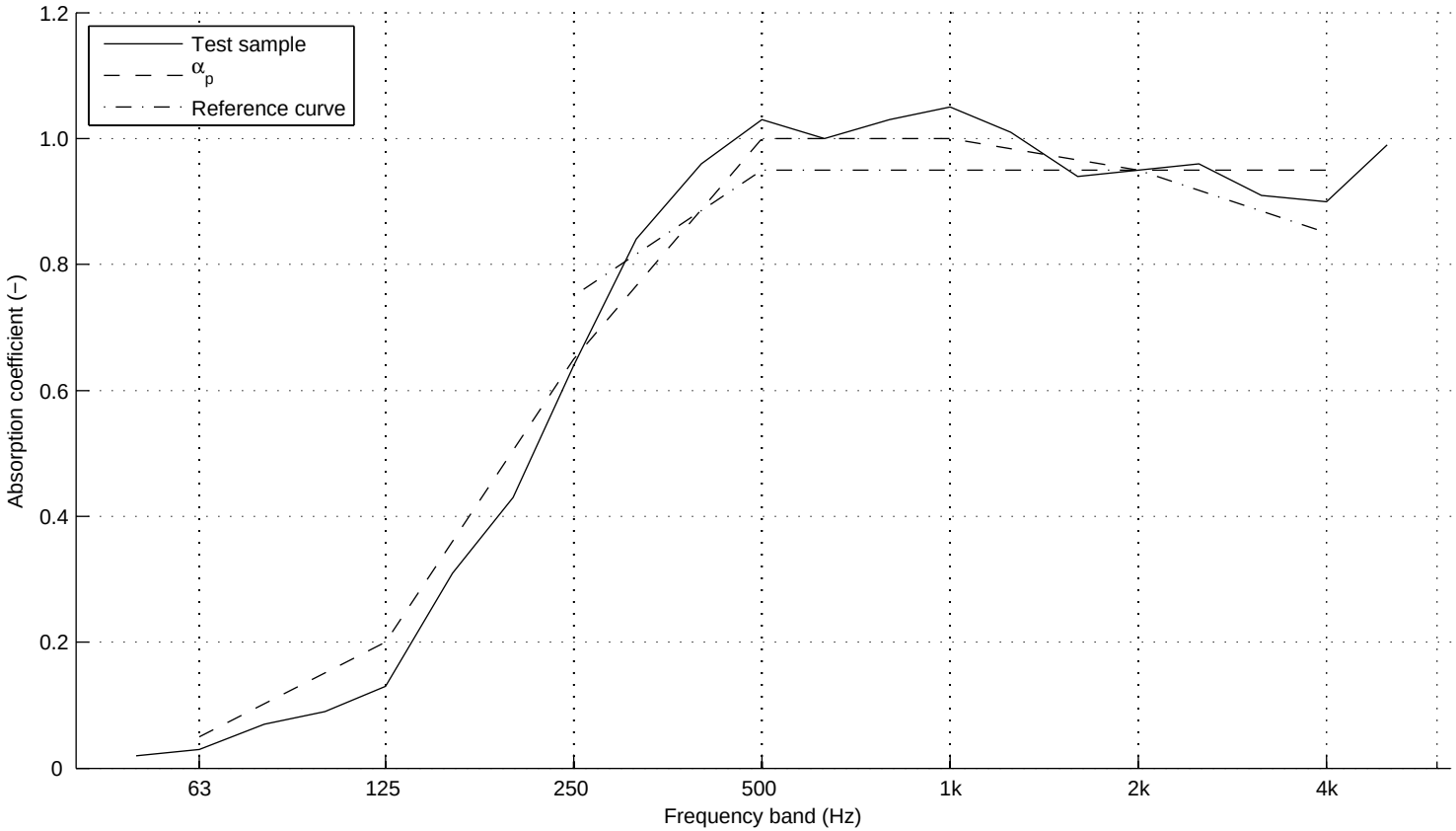
Air humidity: 77 % (empty: 74.6 %)

Air pressure: 101.3 kPa (empty: 101.3 kPa)

Size of specimen: 10.31 m^2

Measurement date: 2013−06−17

Measured by: Pontus Thorsson



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