

## Flo + basfill

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



Report number:

14-41-M3

Date

2014-04-01

Frequency f [Hz]	Sound absorption coefficient	
	$\alpha_s$	$\alpha_p$
50	0.01	
63	0.04	0.05
80	0.08	
100	0.10	
125	0.13	0.15
160	0.29	
200	0.39	
250	0.58	0.60
315	0.79	
400	0.92	
500	1.08	1.00
630	1.12	
800	1.14	
1000	1.17	1.00
1250	1.09	
1600	1.04	
2000	1.03	1.00
2500	1.02	
3150	0.99	
4000	0.99	1.00
5000	1.08	

Client: Offect

Manufacturer: Offect

Product identification: Flo+basfill

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

Reverberation room volume: 200 m<sup>3</sup>

Temperature: 14 °C (empty: 14 °C)

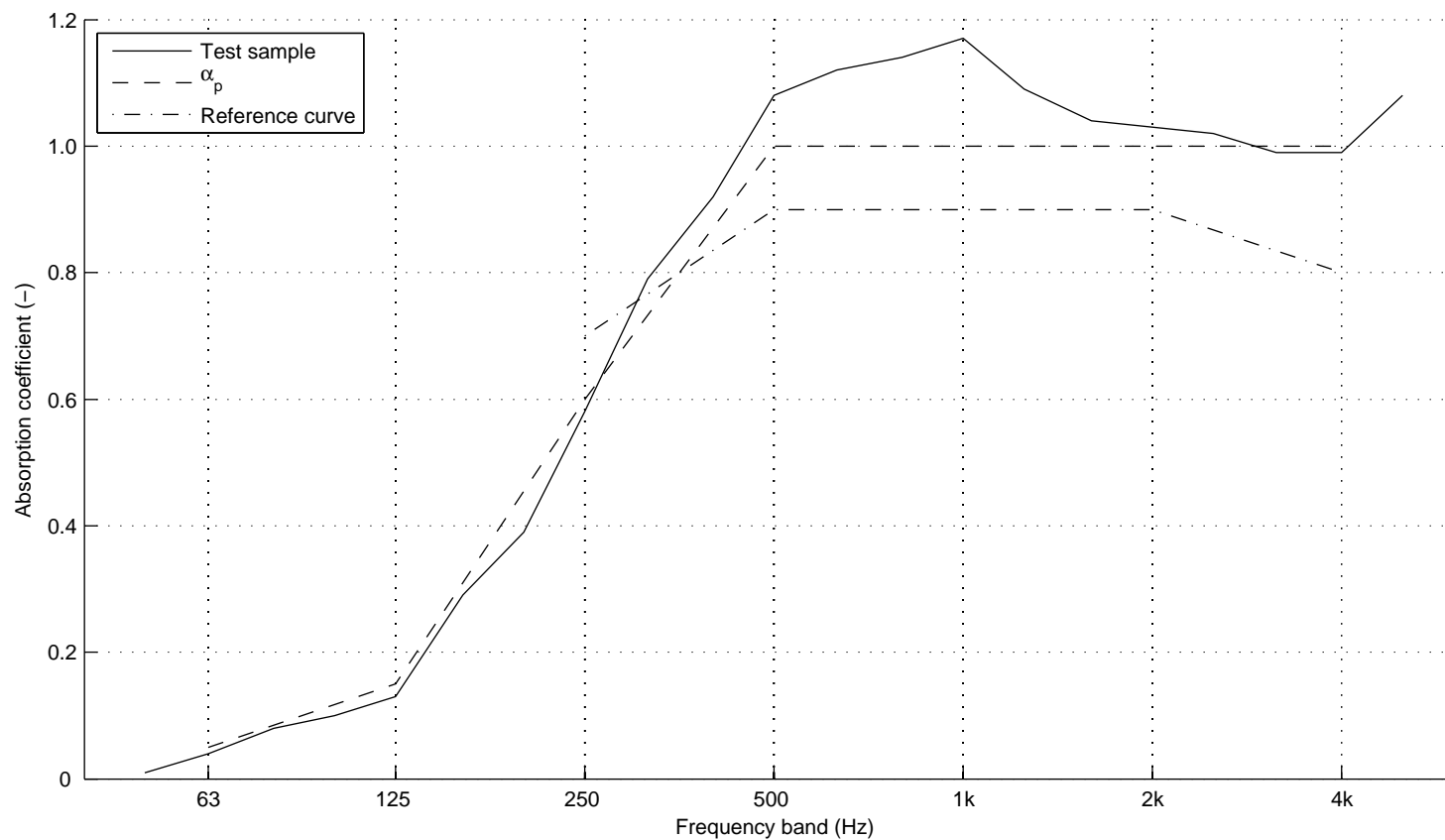
Air humidity: 77.3% (empty: 74.6%)

Air pressure: 101.3 kPa (empty: 101.3 kPa)

Size of specimen: 10.31 m<sup>2</sup>

Measurement date: 2013-06-17

Measured by: Pontus Thorsson



$\alpha_w = 0.90$

Absorption class = A