

Stripes

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room



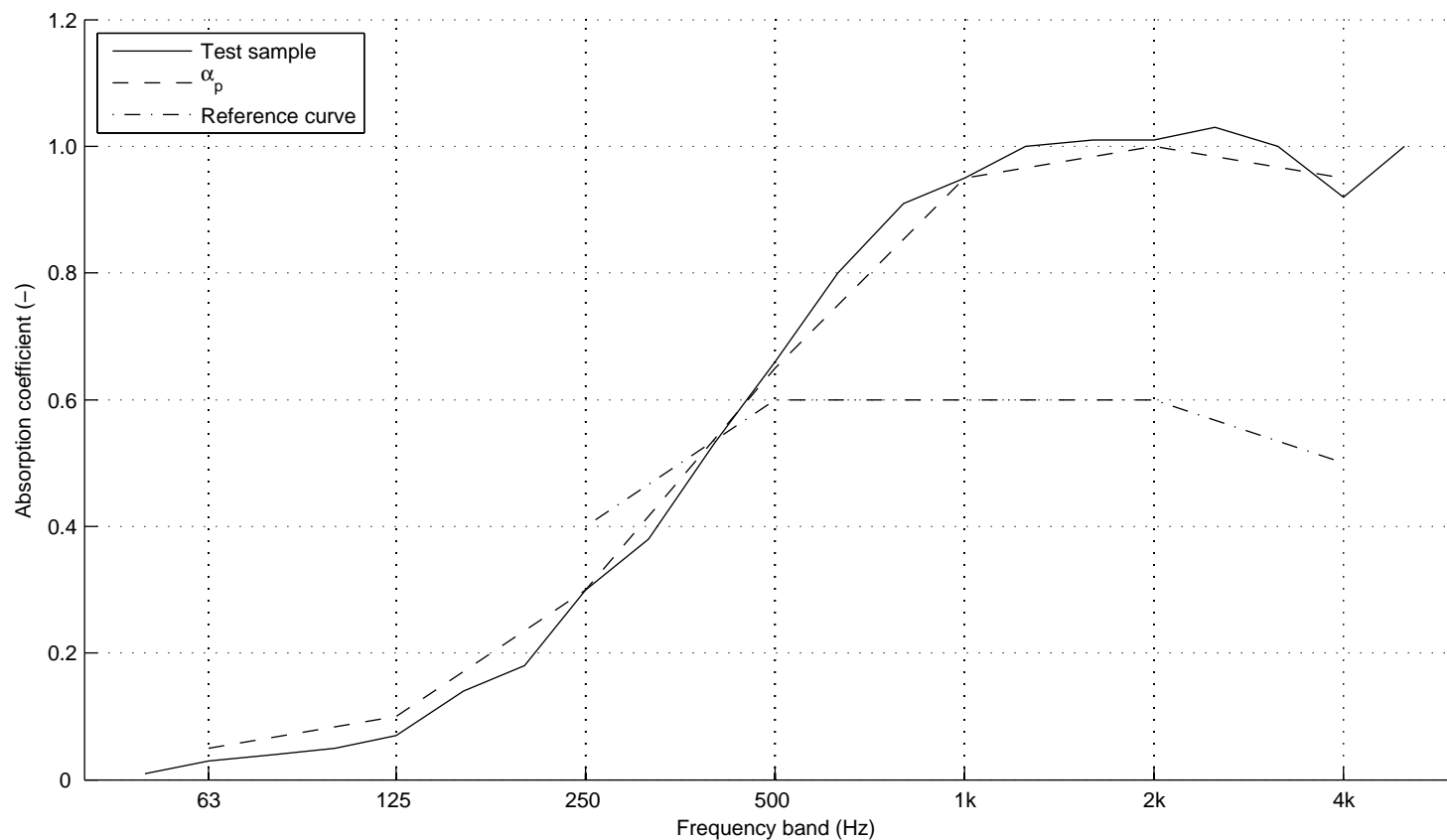
Report number:
14-41-M6
Date
2014-04-01

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.01	
63	0.03	0.05
80	0.04	
100	0.05	
125	0.07	0.10
160	0.14	
200	0.18	
250	0.30	0.30
315	0.38	
400	0.53	
500	0.66	0.65
630	0.80	
800	0.91	
1000	0.95	0.95
1250	1.00	
1600	1.01	
2000	1.01	1.00
2500	1.03	
3150	1.00	
4000	0.92	0.95
5000	1.00	

Client: Effect
 Manufacturer: Effect
 Product identification: Stripes
 Description of test specimen: Stripes utan fyllning, 30 paneler direkt på golv, typ A-montage.

Reverberation room volume: 200 m³
 Temperature: 14 °C (empty: 14 °C)
 Air humidity: 78.8% (empty: 74.6%)
 Air pressure: 101.3 kPa (empty: 101.3 kPa)
 Size of specimen: 10.31 m²

Measurement date: 2013-06-17
 Measured by: Pontus Thorsson



$\alpha_w = 0.60(\text{MH})$

Absorption class = C



Stripes + basfill

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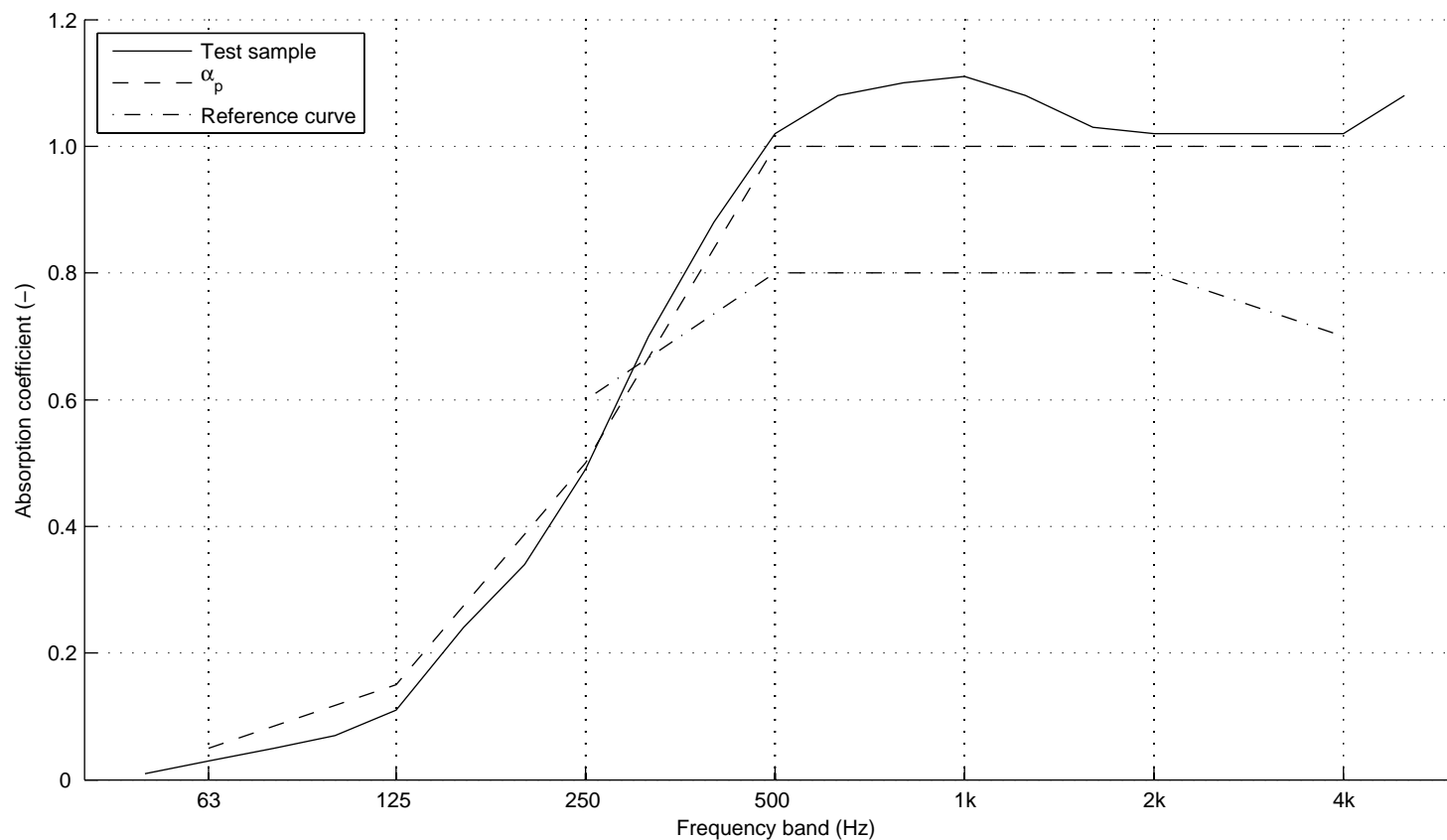
Report number:
14-41-M5
Date
2014-04-01

Frequency f [Hz]	Sound absorption coefficient	
	α_s	α_p
50	0.01	
63	0.03	0.05
80	0.05	
100	0.07	
125	0.11	0.15
160	0.24	
200	0.34	
250	0.49	0.50
315	0.70	
400	0.88	
500	1.02	1.00
630	1.08	
800	1.10	
1000	1.11	1.00
1250	1.08	
1600	1.03	
2000	1.02	1.00
2500	1.02	
3150	1.02	
4000	1.02	1.00
5000	1.08	

Client: Effect
 Manufacturer: Effect
 Product identification: Stripes + basfill
 Description of test specimen: Stripes med fyllning, 30 paneler direkt på golv, typ A-montage.

Reverberation room volume: 200 m³
 Temperature: 14 °C (empty: 14 °C)
 Air humidity: 77.7% (empty: 74.6%)
 Air pressure: 101.3 kPa (empty: 101.3 kPa)
 Size of specimen: 10.31 m²

Measurement date: 2013-06-17
 Measured by: Pontus Thorsson



$\alpha_w = 0.80(H)$

Absorption class = B