Soundwave Ennis 10m^2

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Ackred. nr 10126
Provning
ISO/IEC 17025

Report number:
18-106-M1
Date
2018-04-12

Frequency f [Hz]	Sound absorption coefficient α_s	α_p
50	0.02	
63	0.01	0.00
80	0.04	
100	0.02	
125	0.07	0.05
160	0.12	
200	0.16	
250	0.23	0.25
315	0.36	
400	0.44	
500	0.66	0.65
630	0.85	
800	0.90	
1000	0.97	0.95
1250	1.01	
1600	0.97	
2000	1.01	1.00
2500	0.95	
3150	1.00	
4000	0.92	0.95
5000	0.96	

α_w = 0.55(MH)

Absorption class = D

Client: Offecct

Manufacturer: Offecct

Product identification: Soundwave Ennis

Description of test specimen: Sound absorbing wall panel in polyester needlefelt. Type A mounting.

Reverberation room volume: 200 m^3

Temperature: 15.5 °C (empty: 16.9 °C)

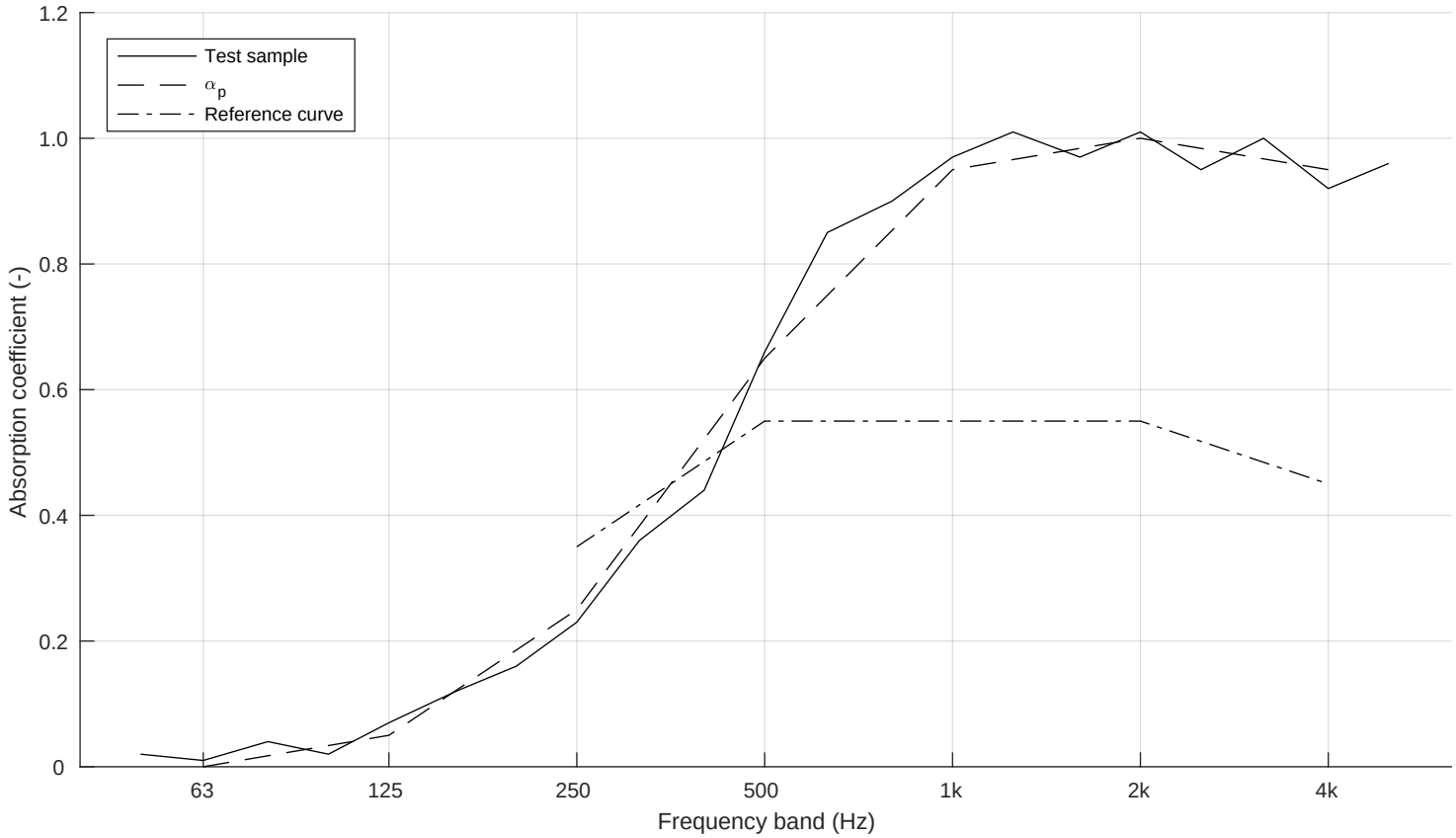
Air humidity: 38 % (empty: 35 %)

Air pressure: 100.3 kPa (empty:100.3 kPa)

Size of specimen: 10.3 m^2

Measurement date: 2018-04-11

Measured by: Carl Nyqvist



AKUSTIKVERKSTAN

Soundwave Ennis with Basfill 10m^2

SOUND ABSORPTION COEFFICIENT ACCORDING TO ISO 354 AND ISO 11654

Measurement of sound absorption coefficient in a reverberation room

Ackred. nr 10126
Provning
ISO/IEC 17025

Report number:
18-106-M2
Date
2018-04-12

Frequency f [Hz]	Sound absorption coefficient α_s	α_p
50	0.02	
63	0.03	0.05
80	0.06	
100	0.05	
125	0.12	0.10
160	0.20	
200	0.31	
250	0.43	0.45
315	0.61	
400	0.75	
500	0.96	0.95
630	1.09	
800	1.06	
1000	1.11	1.00
1250	1.11	
1600	1.03	
2000	1.04	1.00
2500	0.95	
3150	1.02	
4000	0.94	1.00
5000	0.99	

α_w = 0.75(MH)

Absorption class = C

Client: Offecct

Manufacturer: Offecct

Product identification: Soundwave Ennis with Basfill

Description of test specimen: Sound absorbing wall panel in polyester needlefelt including wadding insert.
Type A mounting.

Reverberation room volume: 200 m^3

Temperature: 15.2 °C (empty: 16.9 °C)

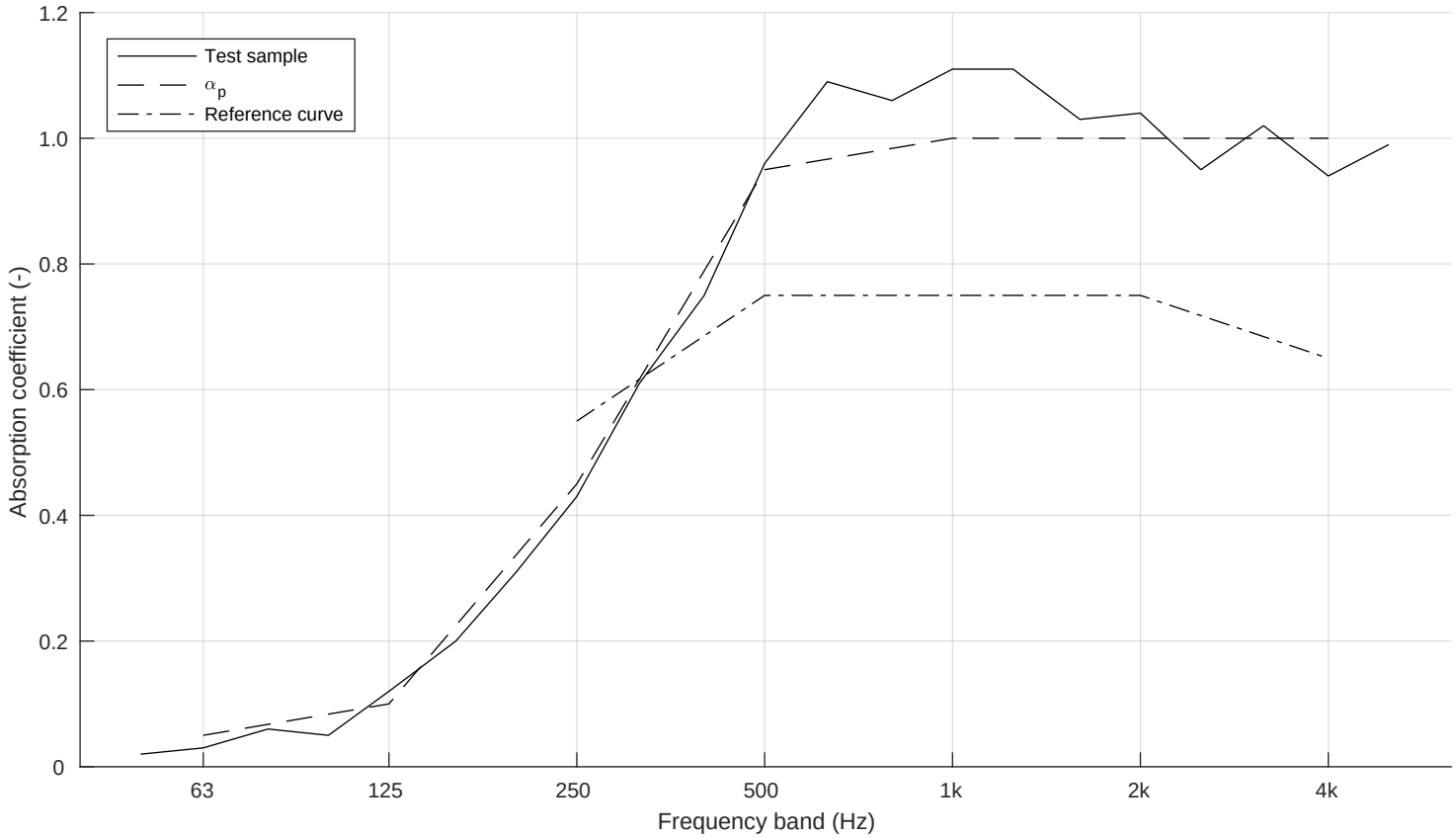
Air humidity: 38 % (empty: 35 %)

Air pressure: 100.3 kPa (empty:100.3 kPa)

Size of specimen: 10.3 m^2

Measurement date: 2018-04-11

Measured by: Carl Nyqvist



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