

# LINTEX

Acoustic Test results  
ISO 354

**Edge Floor Screen**

## Lintex Floor standing screen 800x1350

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-120-M9

Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.06	
63	0.21	0.2
80	0.29	
100	0.34	
125	0.33	0.4
160	0.41	
200	0.68	
250	0.72	0.7
315	0.84	
400	1.02	
500	1.18	1.2
630	1.30	
800	1.36	
1000	1.43	1.4
1250	1.47	
1600	1.55	
2000	1.65	1.6
2500	1.71	
3150	1.73	
4000	1.79	1.9
5000	2.03	

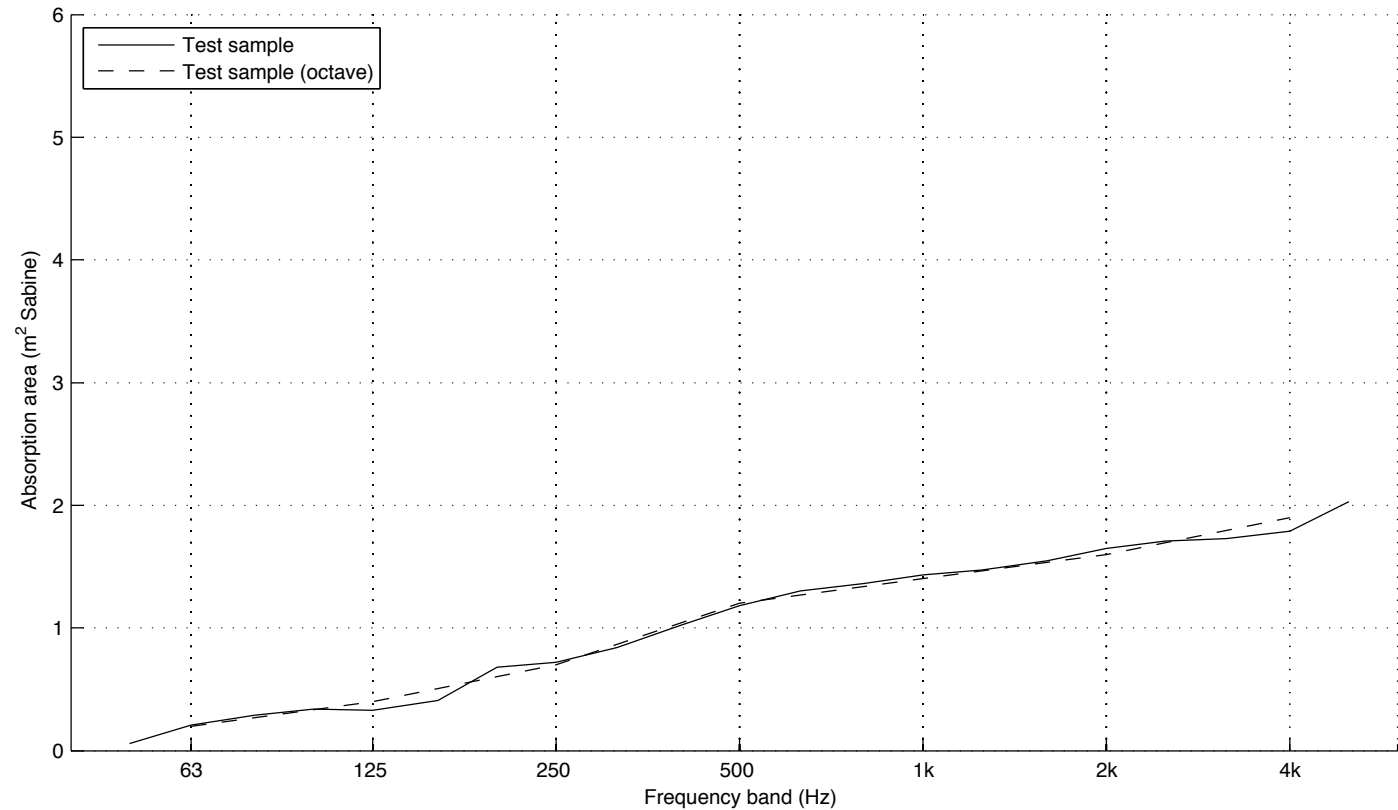
Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 800 x 1350 mm, thickness 40 mm, screens standing on the floor of the reverberation room.

Reverberation room volume: 200m<sup>3</sup>  
Temperature: 16°C (empty: 15°C)  
Air humidity: 66% (empty: 64%)  
Air pressure: 100.3kPa (empty: 100.3kPa)  
Number of specimens: 3

Measurement date: 2013-10-07

Measured by: Carl Nyqvist



# Lintex Floor standing screen 1000x1350

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M22

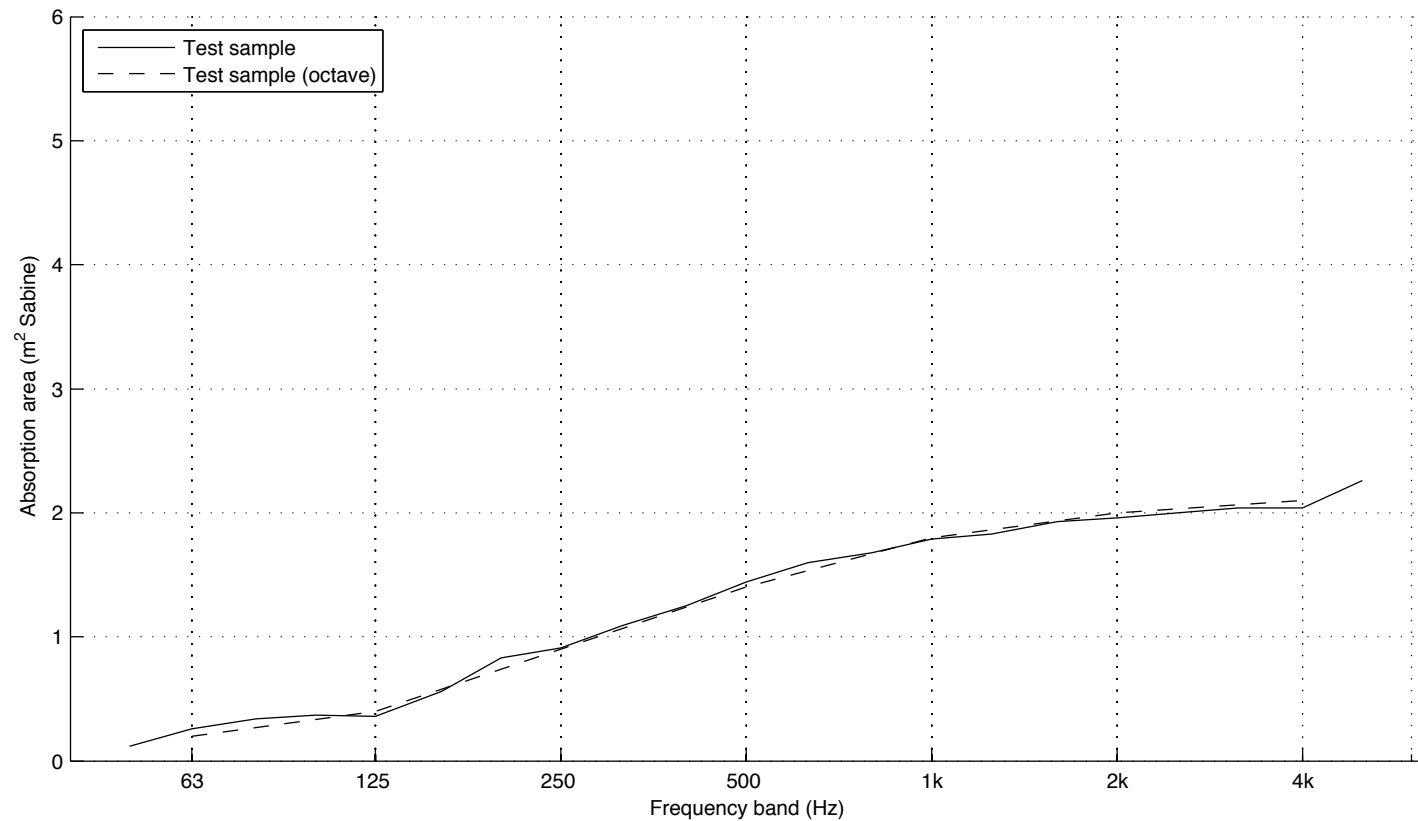
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.12	
63	0.26	0.2
80	0.34	
100	0.37	
125	0.36	0.4
160	0.56	
200	0.83	
250	0.91	0.9
315	1.09	
400	1.25	
500	1.44	1.4
630	1.60	
800	1.68	
1000	1.79	1.8
1250	1.83	
1600	1.93	
2000	1.96	2.0
2500	2.00	
3150	2.04	
4000	2.04	2.1
5000	2.26	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 1000 x 1350 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650



# Lintex Floor standing screen 1200x1350

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M23

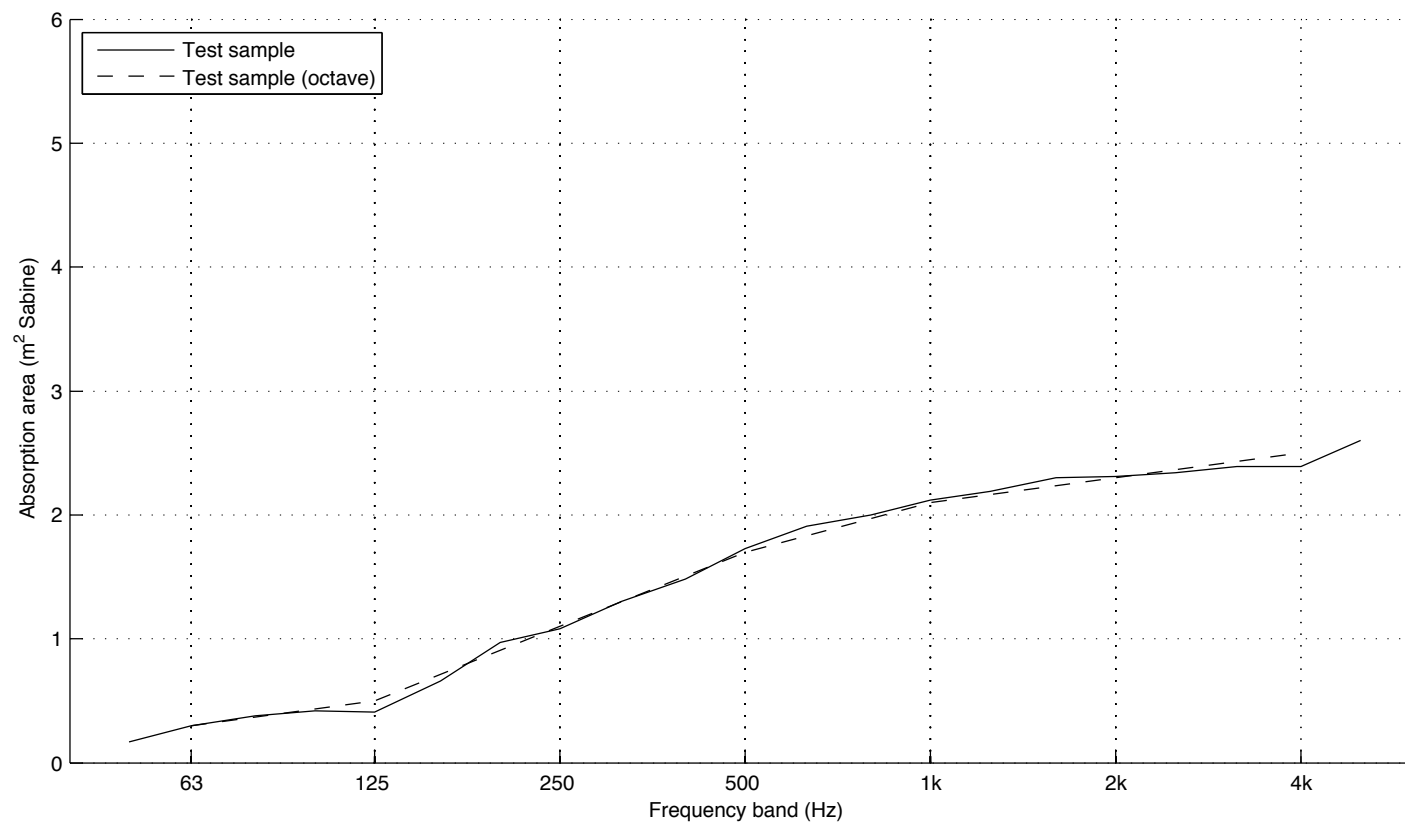
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.17	
63	0.30	0.3
80	0.38	
100	0.42	
125	0.41	0.5
160	0.66	
200	0.97	
250	1.08	1.1
315	1.30	
400	1.48	
500	1.73	1.7
630	1.91	
800	2.00	
1000	2.12	2.1
1250	2.19	
1600	2.30	
2000	2.31	2.3
2500	2.34	
3150	2.39	
4000	2.39	2.5
5000	2.60	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 1200 x 1350 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650



## Lintex Floor standing screen 800x1500

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M24

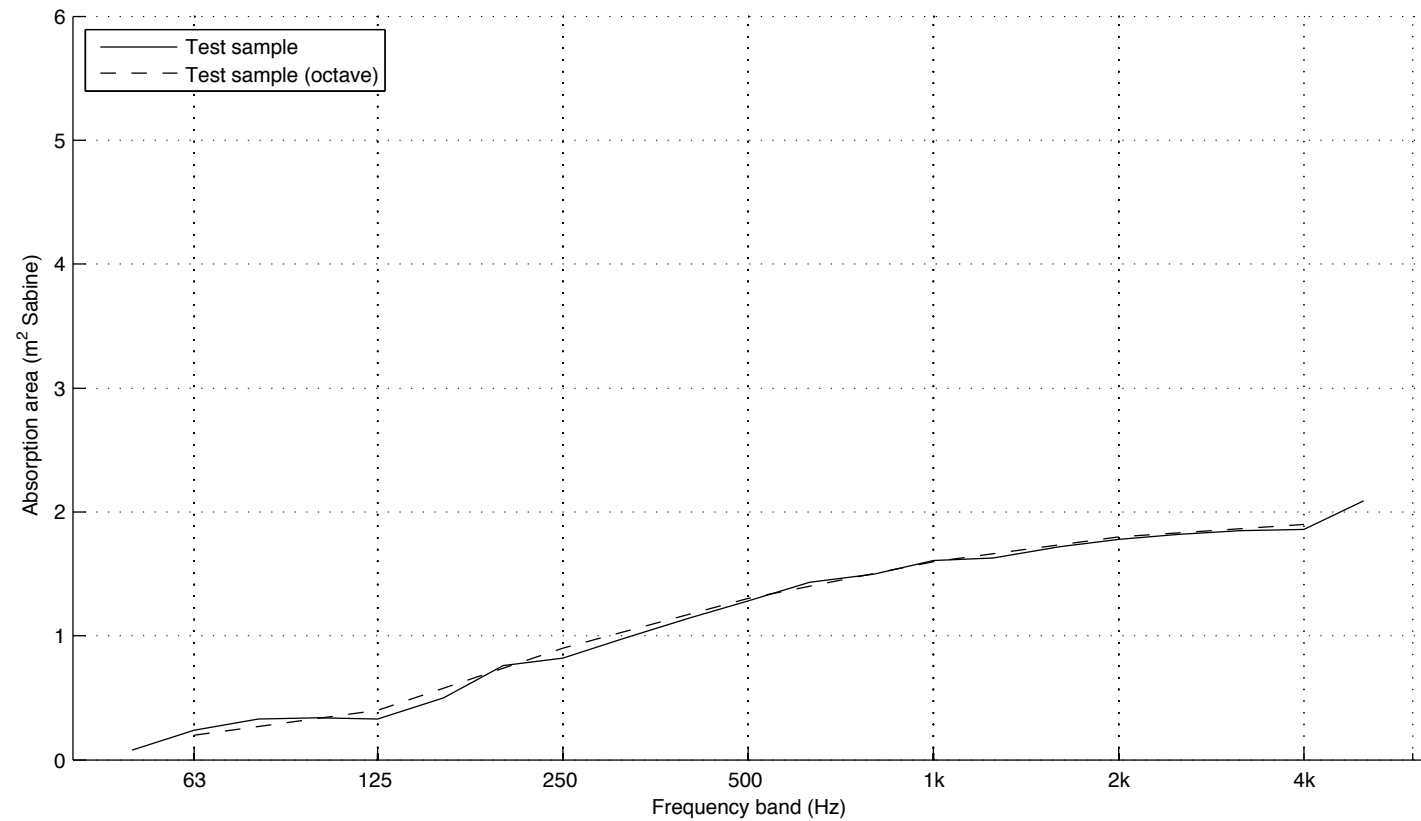
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.08	
63	0.24	0.2
80	0.33	
100	0.34	
125	0.33	0.4
160	0.50	
200	0.76	
250	0.82	0.9
315	0.98	
400	1.14	
500	1.28	1.3
630	1.43	
800	1.50	
1000	1.61	1.6
1250	1.63	
1600	1.72	
2000	1.78	1.8
2500	1.82	
3150	1.85	
4000	1.86	1.9
5000	2.09	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 800 x 1500 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650



# Lintex Floor standing screen 1500x1000

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
**13-120-M10**  
 Date  
**2013-10-29**

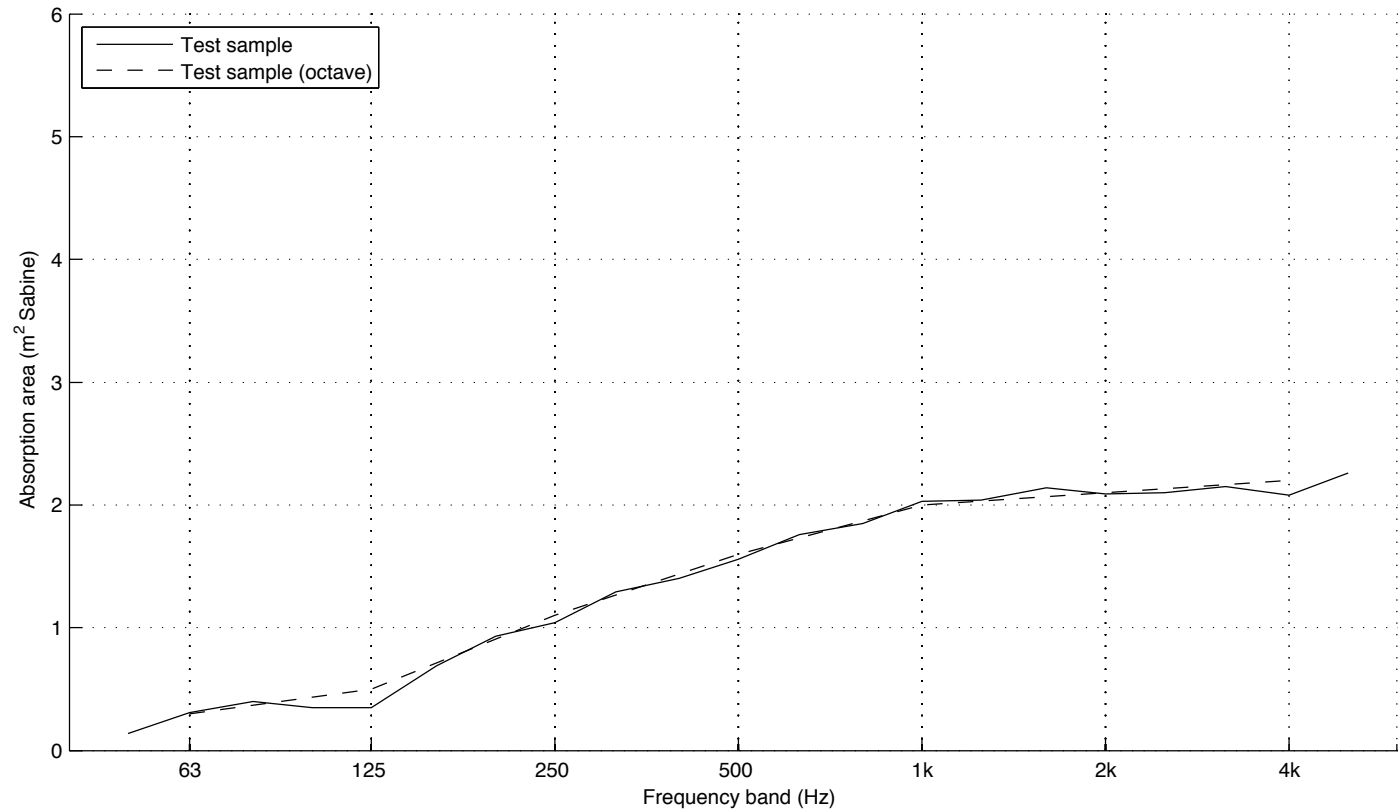
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.14	
63	0.31	0.3
80	0.40	
100	0.35	
125	0.35	0.5
160	0.69	
200	0.93	
250	1.04	1.1
315	1.29	
400	1.40	
500	1.56	1.6
630	1.76	
800	1.85	
1000	2.03	2.0
1250	2.04	
1600	2.14	
2000	2.09	2.1
2500	2.10	
3150	2.15	
4000	2.08	2.2
5000	2.26	

Client: Lintex  
 Manufacturer: Lintex  
 Product identification: Floor standing screen

Description of test specimen: 1500 x 1000 mm, thickness 40 mm, screens standing on the floor of the reverberation room.

Reverberation room volume: 200m<sup>3</sup>  
 Temperature: 16 °C (empty: 17 °C)  
 Air humidity: 82% (empty: 82%)  
 Air pressure: 100.3kPa (empty:100.3kPa)  
 Number of specimens: 3

Measurement date: 2013-08-09  
 Measured by: Pontus Thorsson



# Lintex Floor standing screen 1200x1500

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M25

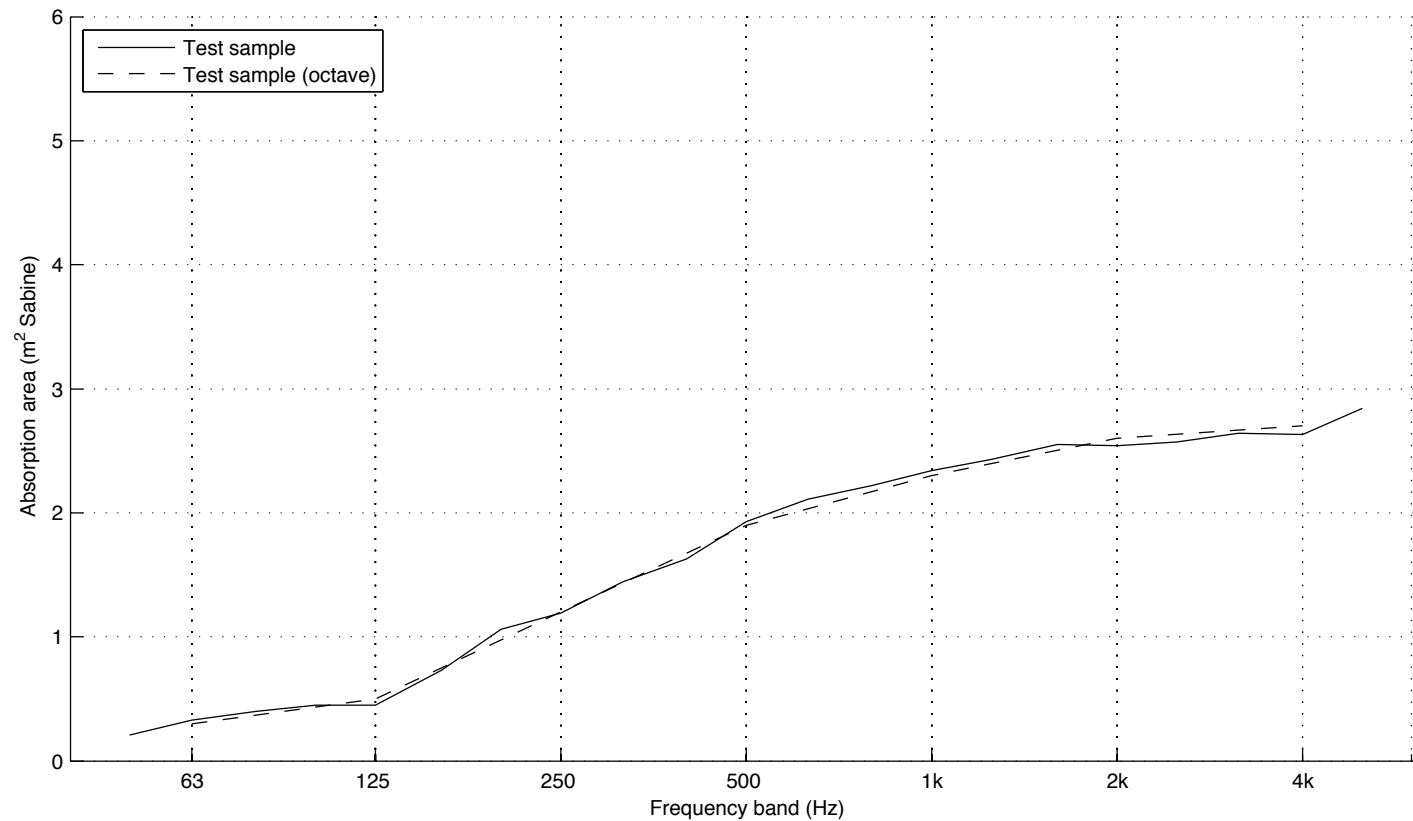
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.21	
63	0.33	0.3
80	0.40	
100	0.45	
125	0.45	0.5
160	0.73	
200	1.06	
250	1.19	1.2
315	1.44	
400	1.63	
500	1.93	1.9
630	2.11	
800	2.22	
1000	2.34	2.3
1250	2.43	
1600	2.55	
2000	2.54	2.6
2500	2.57	
3150	2.64	
4000	2.63	2.7
5000	2.84	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 1200 x 1500 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650



## Lintex Floor standing screen 800x1650

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M26

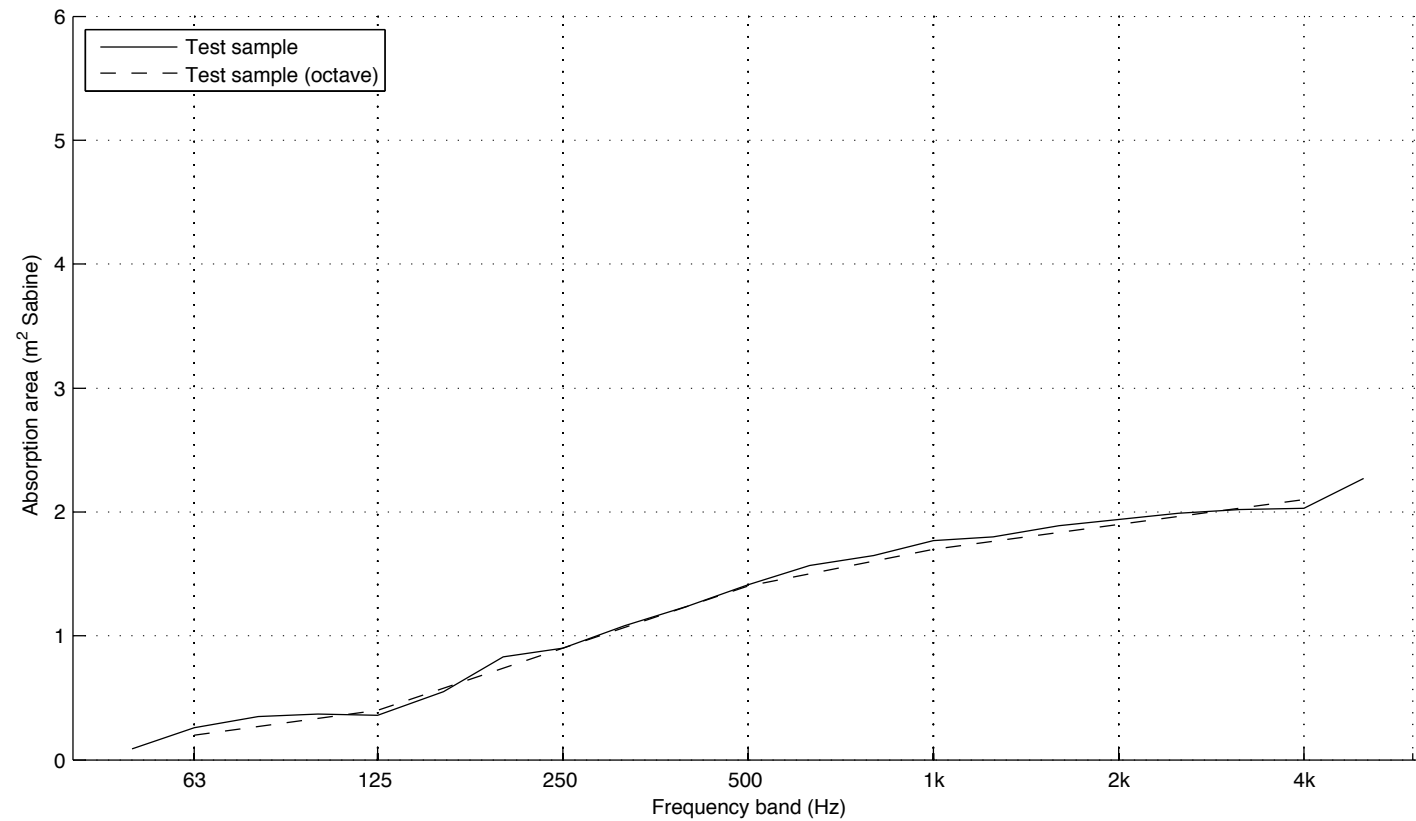
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.09	
63	0.26	0.2
80	0.35	
100	0.37	
125	0.36	0.4
160	0.55	
200	0.83	
250	0.90	0.9
315	1.08	
400	1.24	
500	1.41	1.4
630	1.57	
800	1.65	
1000	1.77	1.7
1250	1.80	
1600	1.89	
2000	1.94	1.9
2500	1.99	
3150	2.02	
4000	2.03	2.1
5000	2.27	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 800 x 1650 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650





# Lintex Floor standing screen 1000x1650

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

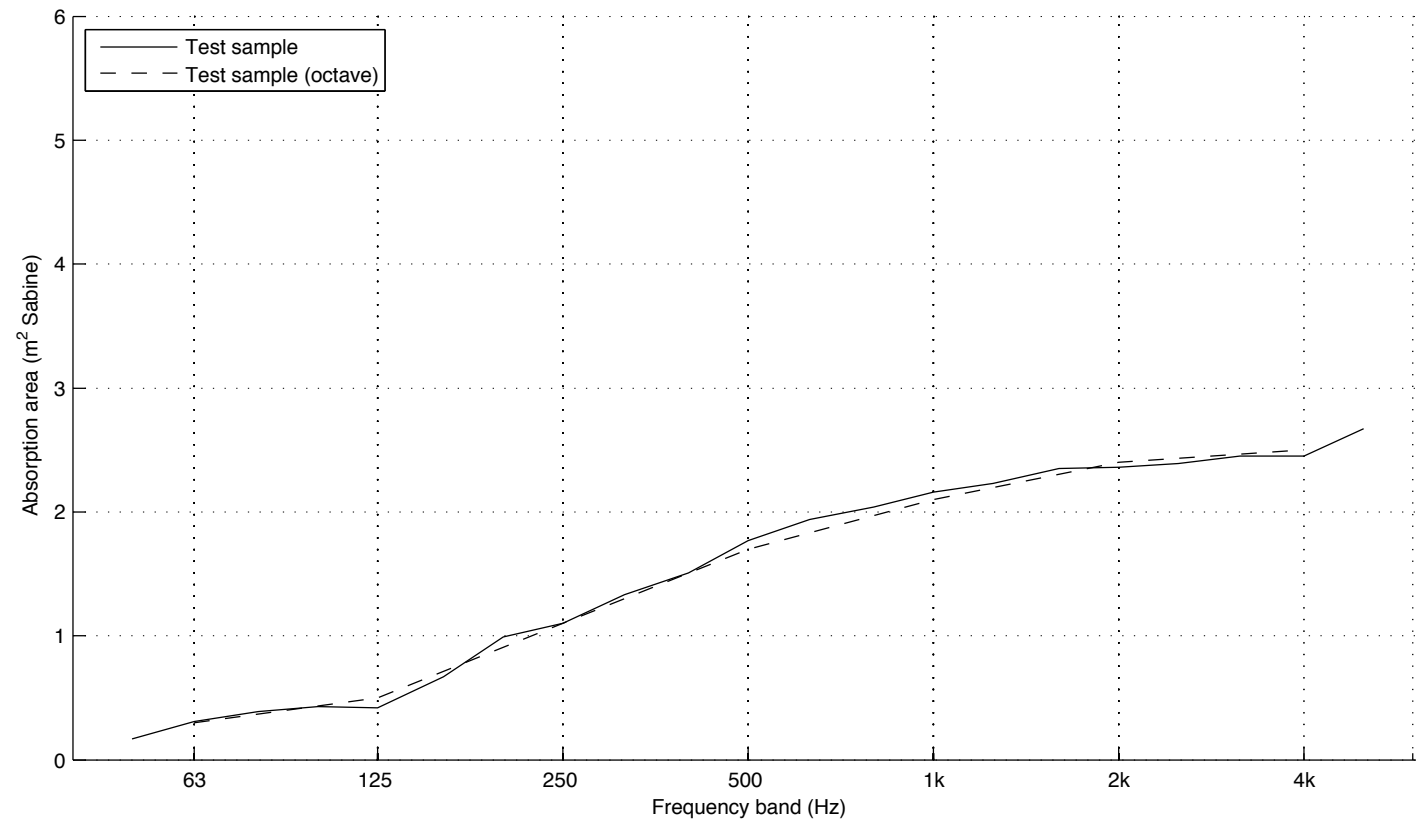
Interpolated sound absorption area from reverberation room measurements

Report number:  
13-120-M27  
Date  
2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.17	
63	0.31	0.3
80	0.39	
100	0.43	
125	0.42	0.5
160	0.67	
200	0.99	
250	1.10	1.1
315	1.33	
400	1.51	
500	1.77	1.7
630	1.94	
800	2.04	
1000	2.16	2.1
1250	2.23	
1600	2.35	
2000	2.36	2.4
2500	2.39	
3150	2.45	
4000	2.45	2.5
5000	2.67	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Floor standing screen

Description of test specimen: 1000 x 1650 mm, thickness 40 mm. Values are interpolated from measurements on  
13-120-M9 floor800x1350  
13-120-M10 floor1500x1000  
13-120-M11 floor1200x1650



# Lintex Floor standing screen 1200x1650

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:  
13-120-M11  
Date  
2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.25	
63	0.34	0.3
80	0.41	
100	0.51	
125	0.50	0.6
160	0.76	
200	1.15	
250	1.29	1.3
315	1.55	
400	1.77	
500	2.14	2.1
630	2.32	
800	2.44	
1000	2.54	2.6
1250	2.67	
1600	2.80	
2000	2.81	2.8
2500	2.84	
3150	2.92	
4000	2.94	3.0
5000	3.17	

Client: Lintex  
 Manufacturer: Lintex  
 Product identification: Floor standing screen  
 Description of test specimen: 1200 x 1650 mm, thickness 40 mm, screens standing on the floor of the reverberation room.

Reverberation room volume: 200m<sup>3</sup>  
 Temperature: 15°C (empty: 15°C)  
 Air humidity: 67% (empty: 64%)  
 Air pressure: 100.3kPa (empty: 100.3kPa)  
 Number of specimens: 3  
 Measurement date: 2013-10-07  
 Measured by: Carl Nyqvist

