

# LINTEX

Acoustic Test results  
ISO 354

**Edge Wall**

## Lintex Wall absorber 400x400

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-120-M1

Date

2013-11-05

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.00	
63	0.01	0.0
80	0.01	
100	0.02	
125	0.02	0.0
160	0.04	
200	0.09	
250	0.12	0.1
315	0.16	
400	0.18	
500	0.19	0.2
630	0.23	
800	0.22	
1000	0.20	0.2
1250	0.23	
1600	0.20	
2000	0.22	0.2
2500	0.22	
3150	0.20	
4000	0.25	0.2
5000	0.28	

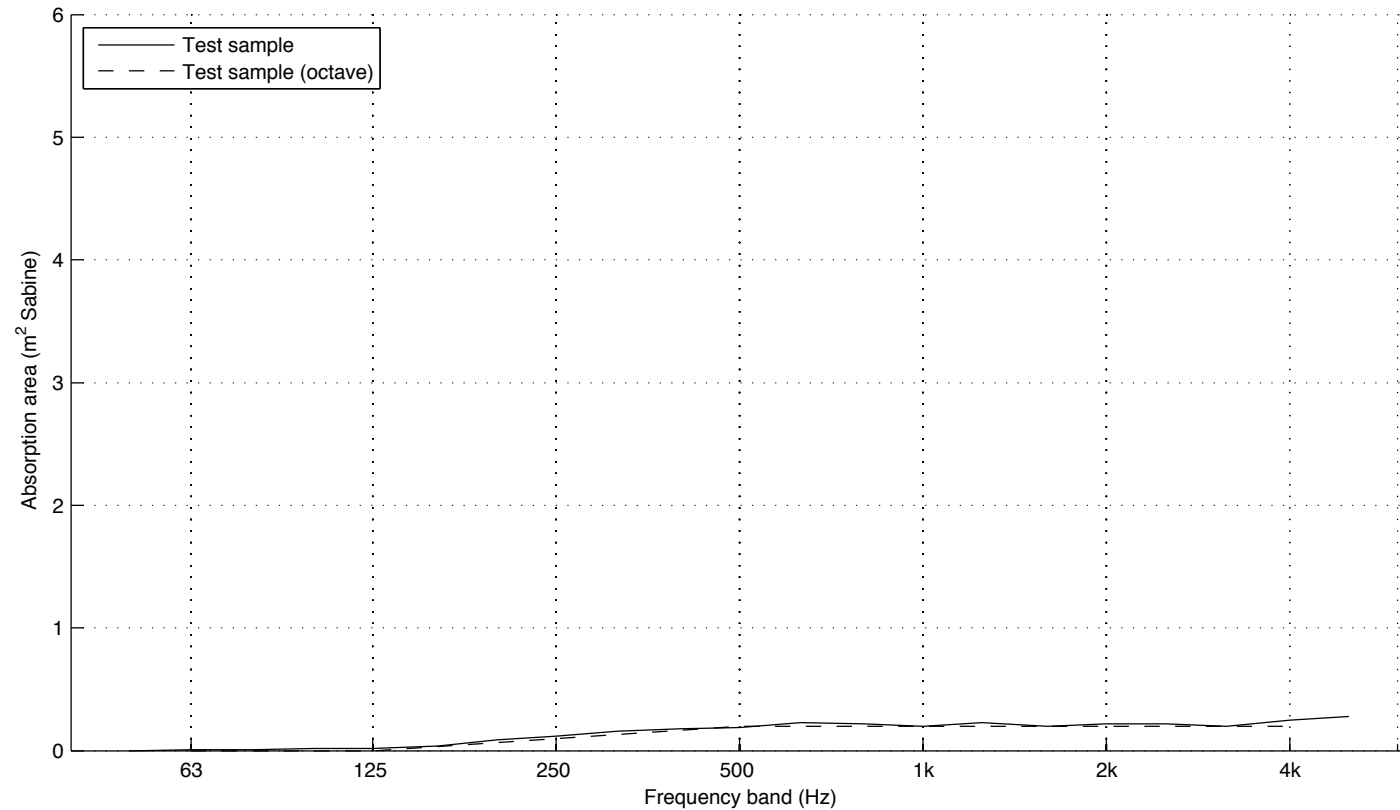
Client: Lintex  
 Manufacturer: Lintex  
 Product identification: Wall absorber

Description of test specimen: 400 x 400 mm, thickness 50 mm, type A mounting

Reverberation room volume: 200m<sup>3</sup>  
 Temperature: 14 °C (empty: 15 °C)  
 Air humidity: 67% (empty: 63%)  
 Air pressure: 100.3 kPa (empty: 100.3 kPa)  
 Number of specimens: 8

Measurement date: 2013-10-07

Measured by: Carl Nyqvist



# Lintex Wall absorber 800x400

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



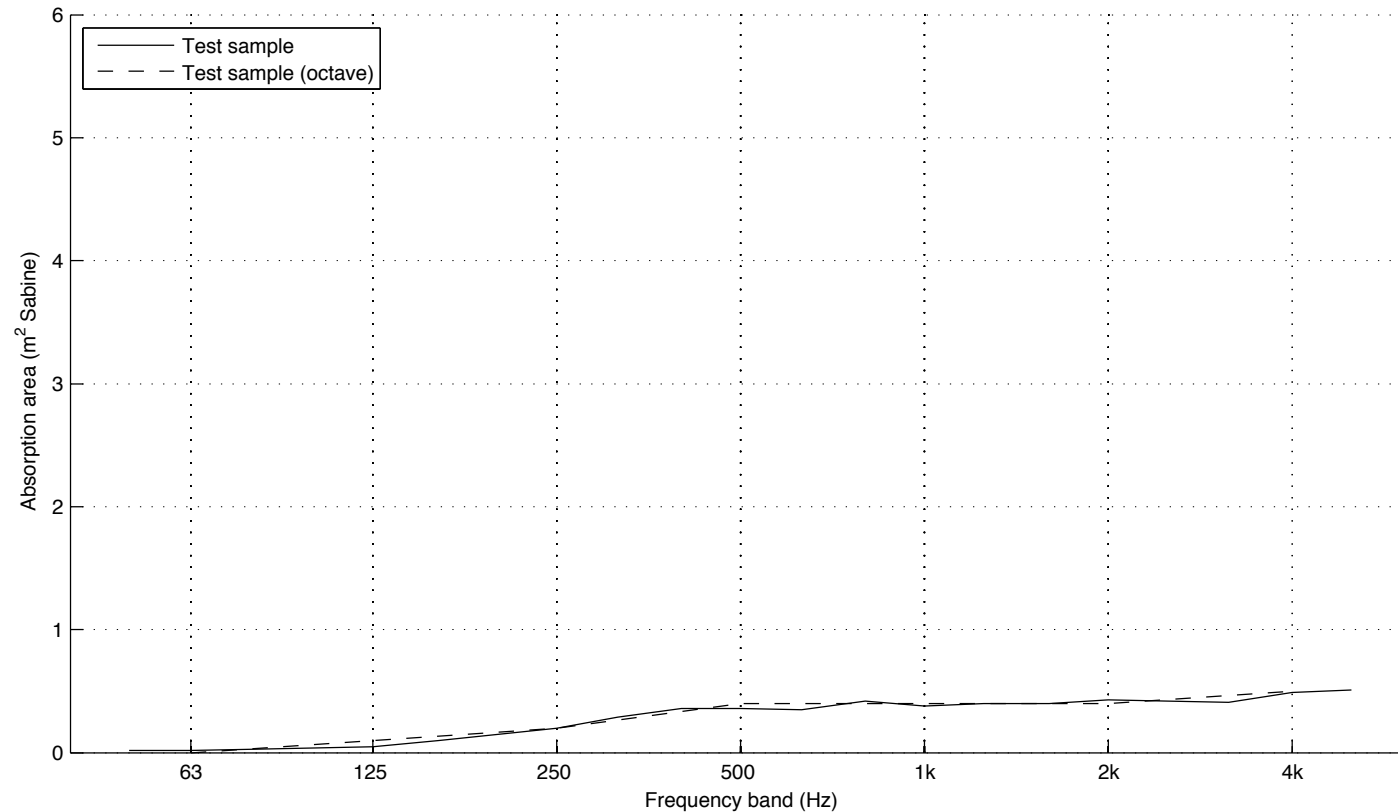
Report number:  
**13-120-M2**  
Date  
**2013-11-05**

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.02	
63	0.02	0.0
80	0.03	
100	0.04	
125	0.05	0.1
160	0.10	
200	0.15	
250	0.20	0.2
315	0.29	
400	0.36	
500	0.36	0.4
630	0.35	
800	0.42	
1000	0.38	0.4
1250	0.40	
1600	0.40	
2000	0.43	0.4
2500	0.42	
3150	0.41	
4000	0.49	0.5
5000	0.51	

Client: Lintex  
 Manufacturer: Lintex  
 Product identification: Wall absorber  
 Description of test specimen: 800 x 400 mm, thickness 50 mm, type A mounting

Reverberation room volume: 200 m<sup>3</sup>  
 Temperature: 14 °C (empty: 15 °C)  
 Air humidity: 69% (empty: 63%)  
 Air pressure: 100.3 kPa (empty: 100.3 kPa)  
 Number of specimens: 4

Measurement date: 2013-10-07  
 Measured by: Carl Nyqvist



## Lintex wall absorber800x800

SOUND ABSORPTION AREA – INTERPOLATED FROM MEASUREMENTS

Interpolated sound absorption area from reverberation room measurements

Report number:

13-120-M4

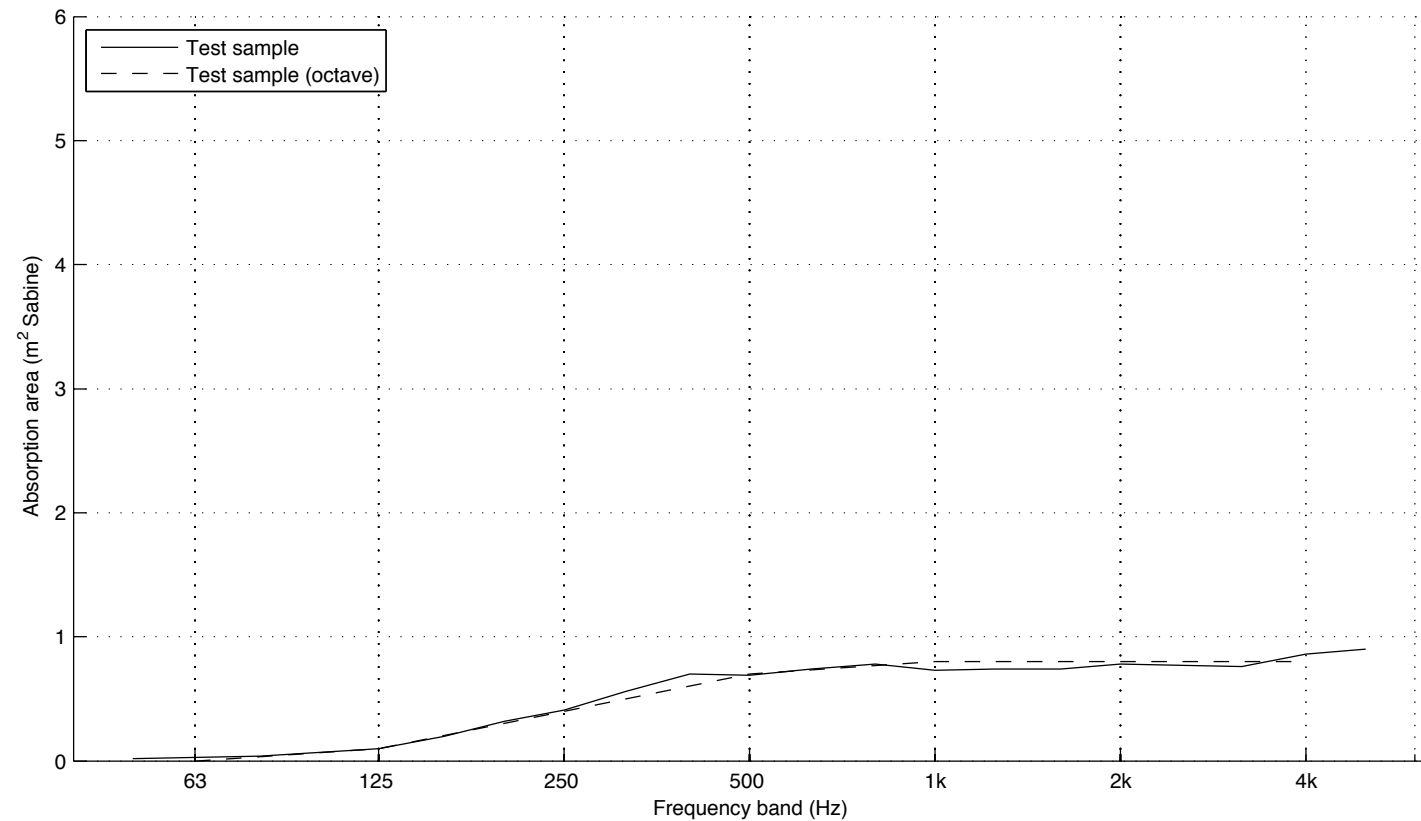
Date

2013-10-29

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.02	
63	0.03	0.0
80	0.04	
100	0.07	
125	0.10	0.1
160	0.20	
200	0.32	
250	0.41	0.4
315	0.56	
400	0.70	
500	0.69	0.7
630	0.74	
800	0.78	
1000	0.73	0.8
1250	0.74	
1600	0.74	
2000	0.78	0.8
2500	0.77	
3150	0.76	
4000	0.86	0.8
5000	0.90	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Wall absorber

Description of test specimen: 800 x 800 mm, thickness 50 mm, type A mounting.  
Values are interpolated from measurements:  
13-120-M1 wall400x400  
13-120-M2 wall800x400  
13-120-M3 wall1200x1200



## Lintex Wall absorber 1200x1200

SOUND ABSORPTION AREA ACCORDING TO ISO 354

Measurement of sound absorption area in a reverberation room



Report number:

13-120-M3

Date

2013-10-29

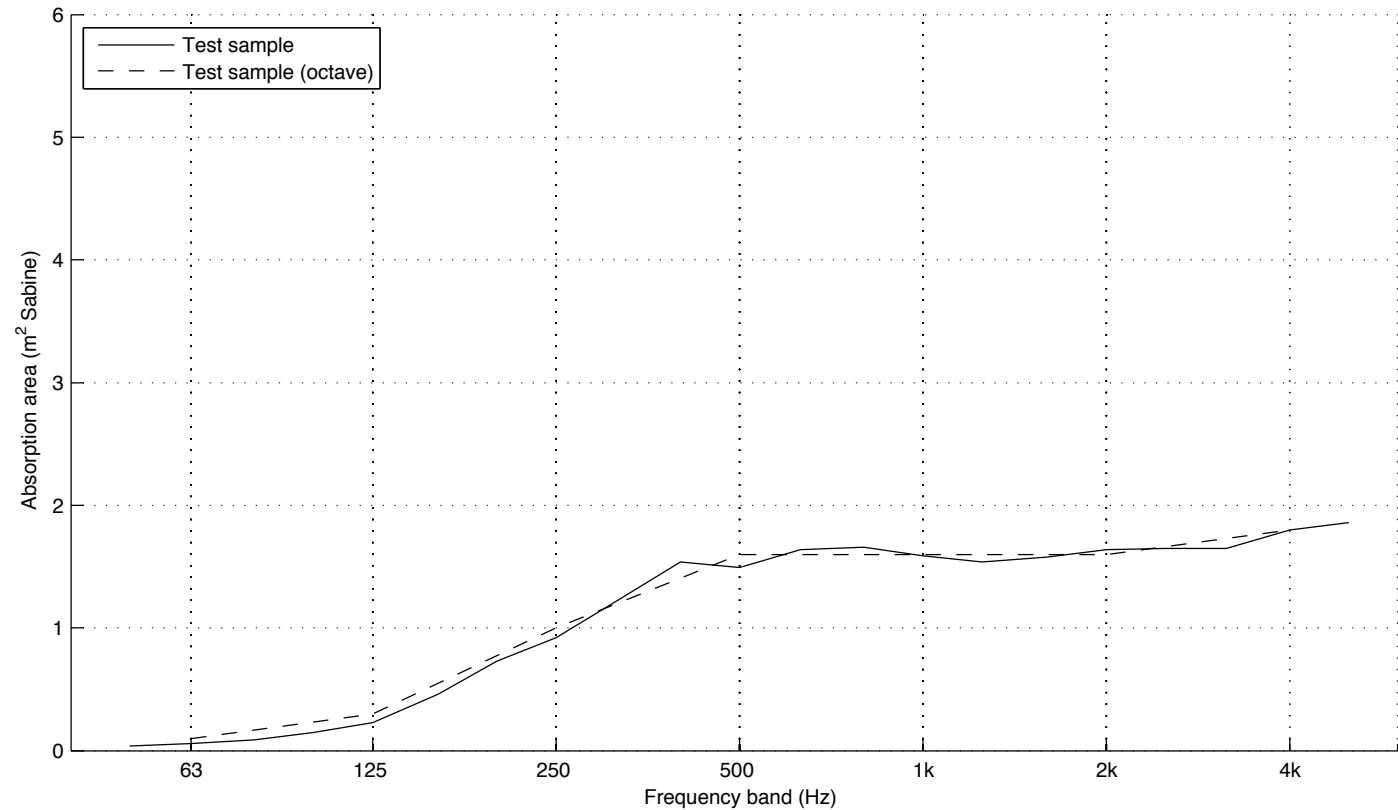
Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.04	
63	0.06	0.1
80	0.09	
100	0.15	
125	0.23	0.3
160	0.46	
200	0.73	
250	0.92	1.0
315	1.22	
400	1.54	
500	1.49	1.6
630	1.64	
800	1.66	
1000	1.59	1.6
1250	1.54	
1600	1.58	
2000	1.64	1.6
2500	1.65	
3150	1.65	
4000	1.80	1.8
5000	1.86	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Wall absorber  
Description of test specimen: 1200 x 1200 mm, thickness 50 mm, type A mounting

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 13 °C (empty: 15 °C)  
Air humidity: 70% (empty: 63%)  
Air pressure: 100.3 kPa (empty: 100.3 kPa)  
Number of specimens: 3

Measurement date: 2013-10-07

Measured by: Carl Nyqvist



# Edge Wall, 3000x1000 mm, Type A mounting

SOUND ABSORPTION AREA ACCORDING TO ISO 354 AND SS 25269

Measurement of sound absorption area in a reverberation room



Report number:  
**16-092-M4**  
Date  
**2016-05-30**

Frequency f [Hz]	Sound absorption area [m <sup>2</sup> Sabine]	
50	0.16	
63	0.17	0.2
80	0.35	
100	0.52	
125	0.78	0.8
160	0.95	
200	1.47	
250	1.56	1.7
315	2.06	
400	2.64	
500	2.74	2.9
630	3.46	
800	3.49	
1000	3.46	3.4
1250	3.24	
1600	2.99	
2000	2.83	2.9
2500	2.87	
3150	3.07	
4000	3.28	3.3
5000	3.47	

Client: Lintex  
Manufacturer: Lintex  
Product identification: Edge Wall  
Description of test specimen: Size: 3000 x 1000 mm  
Placed on floor. Type A mounting.

Reverberation room volume: 200 m<sup>3</sup>  
Temperature: 18.3 °C (empty: 21.5 °C)  
Air humidity: 39 % (empty: 37 %)  
Air pressure: 98.5 kPa (empty: 98.5 kPa)  
Number of specimens: 2

Measurement date: 2016-04-15  
Measured by: Magnus Karlsson

