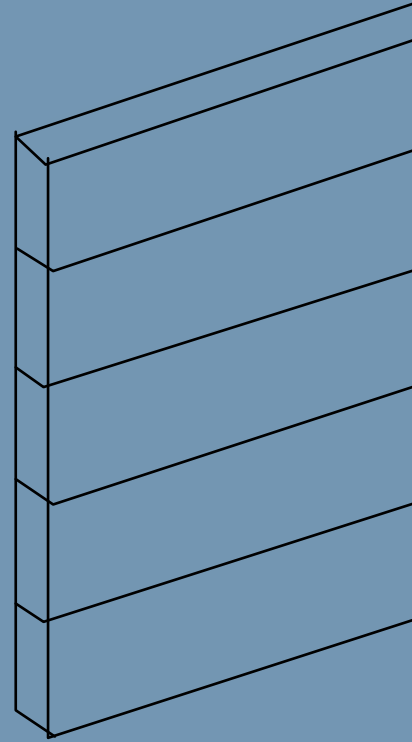
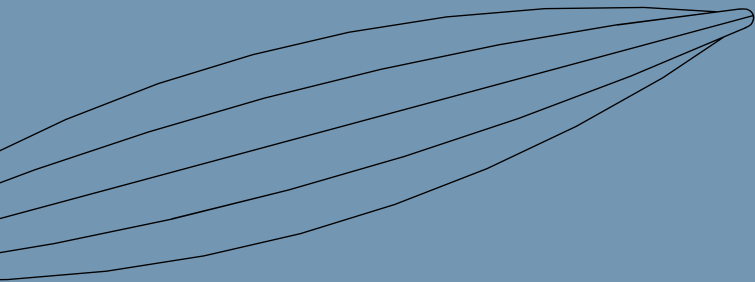
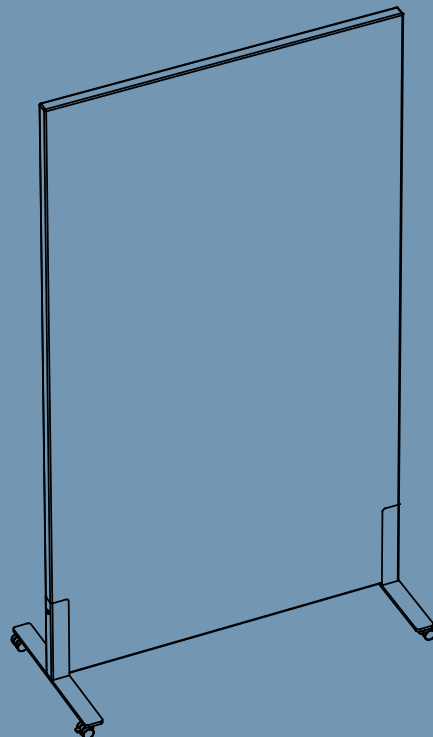
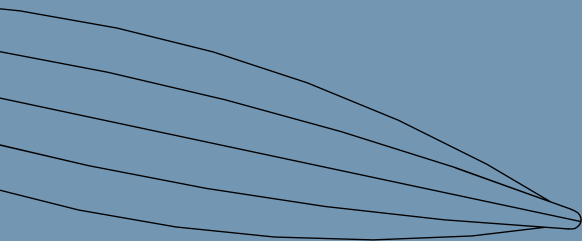


**NowyStyl**



# **FREE-STANDING WALLS**

Acoustic products specification



Let's make your space together

# NowyStyl

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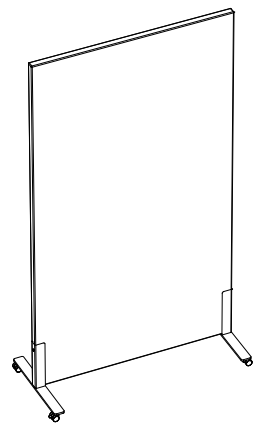
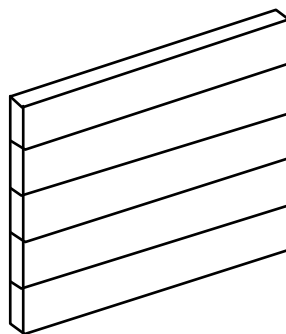
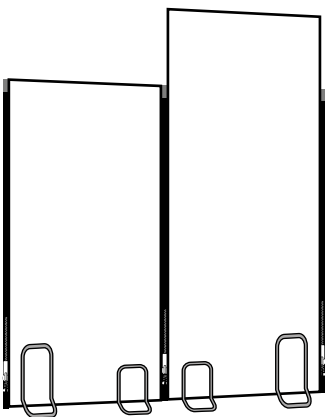
Zuzanna Kierenkiewicz

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# Sileo S office walls

## Acoustic product specification

Details:

dimensions [mm]
800 × 1400 × 35
800 × 1600 × 35
800 × 1800 × 35
1000 × 1400 × 35
1000 × 1600 × 35
1000 × 1800 × 35

Fabrics: Era, Step/Step Melange, Blazer, Synergy

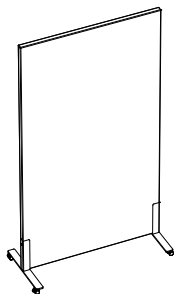
Construction: made of extruded polystyrene reinforced with metal profiles, covered with foam, thickness 5 mm, upholstered and pinnable.

Wall versions:

### Sileo S office walls

- free-standing (1F) - with two metal feet with leveling glides (fixed wall) or with Ø 30 mm castors with brakes (mobile wall).

- for integration (1I) - with one metal foot with leveling glides on one side of the wall, and metal linking element to be fixed on the other side of the wall to connect walls into arrangements.

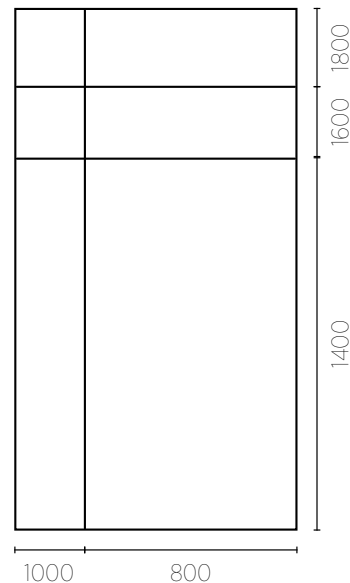
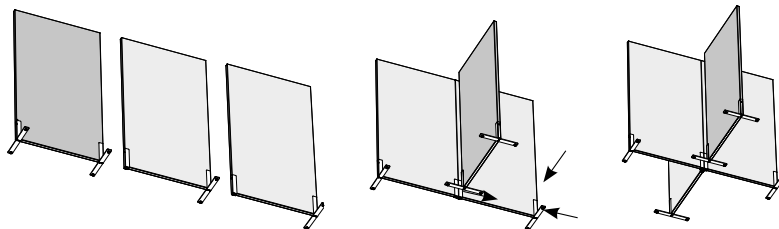


### Connection

The walls can be linked with dedicated connectors at following angles: 90 °, 135 °, and into I (linear), T and X arrangements.

Connectors set includes:

- upper connector, to be pulled over walls edges,
- bottom connector, fixed to metal foot of one wall and metal linking element of next wall / walls in arrangement,
- assembly kit.



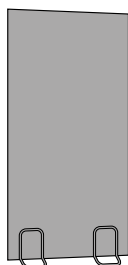
### Sileo S2 office walls

Walls are equipped with two feet, made of steel tube Ø 16 mm.

Available versions:

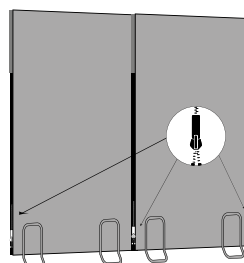
- free-standing (2F) - fully upholstered, without zipper (walls integration not possible),
- for integration (2I) - fully upholstered, with zippers for walls connection.

Note: Office walls of various heights can be linked.



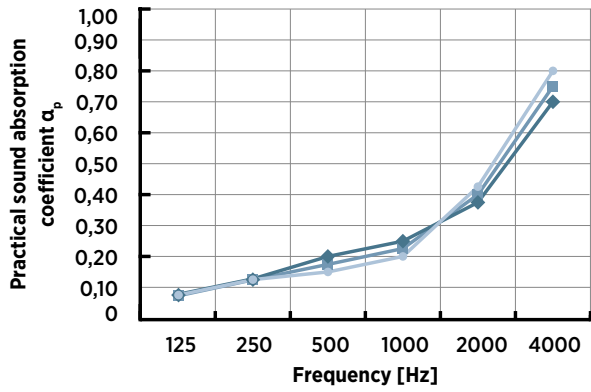
### Connection

Office walls are linking by zipper starting from the top. Zipper is sewn on both wall sides, length 130 cm. Internal angle between office walls for integration shall not extend range 135°-180°.



# Acoustic properties

PN-EN ISO 354:2005, ISO 20189:2018  
mounting type II

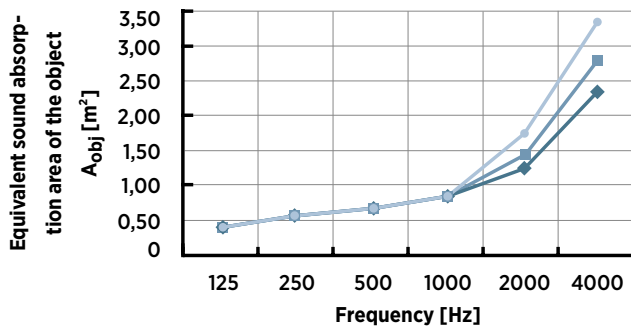


Product absorbs sound well in the range of high frequencies, so it will mostly affect clicking, tapping, phone ringtones sounds etc. Absorption properties increase efficiency of the screen and reduce reverb in the room.

- Sileo S wall 1400x1000
- Sileo S wall 1600x1000
- Sileo S wall 1800x1000

Sound absorption coefficient $\alpha$						
f[Hz]	125	250	500	1000	2000	4000
Sileo S wall 1400 × 1000	0,09	0,15	0,20	0,24	0,38	0,70
Sileo S wall 1600 × 1000	0,08	0,15	0,18	0,22	0,40	0,75
Sileo S wall 1800 × 1000	0,08	0,14	0,17	0,20	0,42	0,79

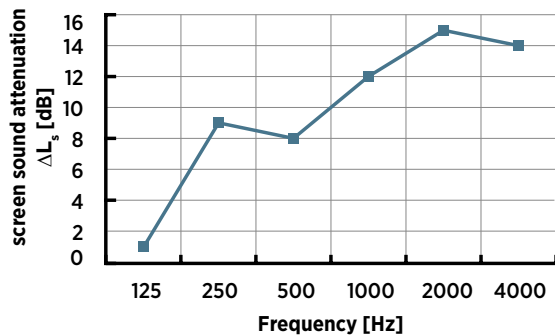
PN-EN ISO 354:2005, ISO 20189:2018  
mounting type II



- Sileo S wall 1400x1000
- Sileo S wall 1600x1000
- Sileo S wall 1800x1000

Equivalent sound absorption area of the object $A_{obj}$ [m <sup>2</sup> ]						
f[Hz]	125	250	500	1000	2000	4000
Sileo S wall 1400 × 1000	0,3	0,5	0,6	0,7	1,1	2,1
Sileo S wall 1600 × 1000	0,3	0,5	0,6	0,7	1,3	2,5
Sileo S wall 1800 × 1000	0,3	0,5	0,6	0,7	1,6	3,0

PN-ISO 10053



Product reduce sound level behind the screen. Graph shows the measured screen sound attenuation under specific laboratory conditions.

- Sileo S wall, h = 1800 mm

Screen sound attenuation [dB]						
f[Hz]	125	250	500	1000	2000	4000
$\Delta L_s$	1	9	8	12	15	14
$\bar{\Delta L}_s$	10					
$\Delta L_{s,w}$	11					

- $\Delta L_s$  screen sound attenuation in frequency bands, PN-ISO 10053:2001
- $\bar{\Delta L}_s$  average screen sound attenuation, annex B, PN-ISO 10053:2001
- $\Delta L_{s,w}$  weighted screen sound attenuation, annex B, PN-SIO 10053:2001

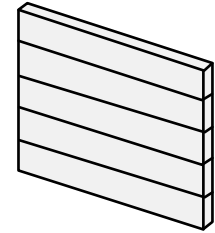
# Sand wall

## Acoustic product specification

Details:

Sand is a system of space-dividing upholstered walls. Thanks to their diversity, the models from the Sand line allow for furnishing many different zones in an office space. The line comprises a few basic models of various dimensions that aid in creating diverse and functional arrangements adjusted to the needs of a particular office.

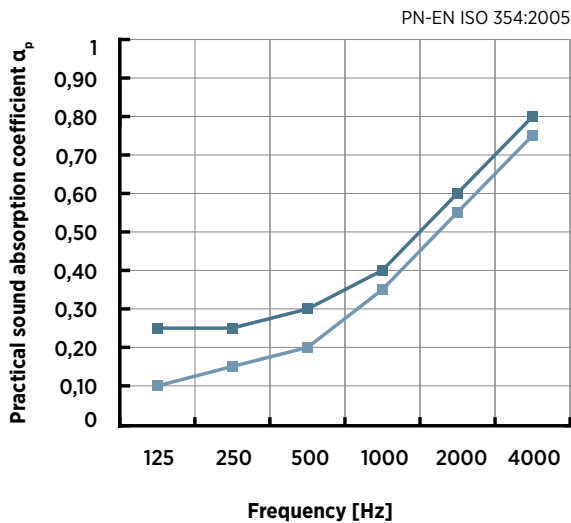
\*Due to many different configurations check the price list



Fabrics: Blazer, Synergy, Remix 3

Construction: The 150 mm thick Sand wall is made of chipboard covered with hardly flammable polyurethane foam and an upholstery fabric. The wall cover is made of 18 mm thick melamine faced chipboard. The Sand walls can be integrated with high tables or upholstered benches in the arrangements with low tables.

Acoustic properties

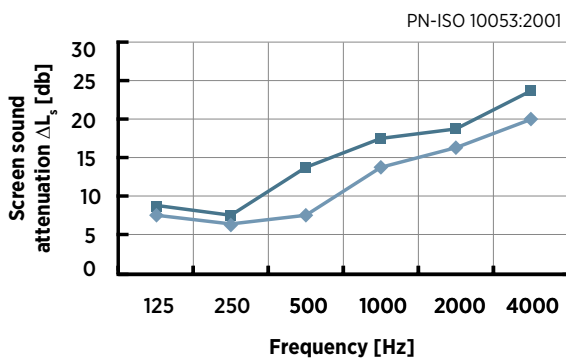


Product absorbs sound well in high frequency range, so it will mostly affect clicking, tapping, phone ringtones etc. Absorption properties increase efficiency of the screen and reduce reverb in the room.

— Sand vertical assembly  
— Sand horizontal assembly

f [Hz]	Sound absorption coefficient $\alpha$						$\alpha_w$	Sound absorption
	125	250	500	1000	2000	4000		
Sand - vertical assembly	0,10	0,15	0,20	0,35	0,55	0,75	0,40(H)	D
Sand - horizontal assembly	0,25	0,25	0,30	0,40	0,60	0,80	0,30(H)	D

The test was carried out for an element with dimensions 1640 mm × 1600 mm × 160mm



Product reduce sound level behind the screen. Graph shows the measured screen sound attenuation under specific laboratory conditions. In-situ screen efficiency depends i.e. on the ceiling and walls absorption.

— Sand 1,6 m  
— Sand 2 m

f [Hz]	Sound absorption coefficient $\alpha$						$\Delta L_s$	$\Delta L_{sw}$
	125	250	500	1000	2000	4000		
Sand 1,6 m	7	6	8	14	16	20	12	13
Sand 2 m	8	7	14	17	19	24	15	16

The test was carried out for structures with dimensions:  
9600 mm × 2010 mm × 140 mm  
and 9600 mm × 1610 mm × 40 mm

$\Delta L_s$  Screen sound attenuation in frequency bands, PN-ISO 10053:2001

$\bar{\Delta L}_s$  Average screen sound attenuation, annex B, PN-ISO 10053:2001

$\Delta L_{sw}$  Weighted screen sound attenuation, annex B, PN-ISO 10053:2001

# Creva wall

## Acoustic product specification

Details:

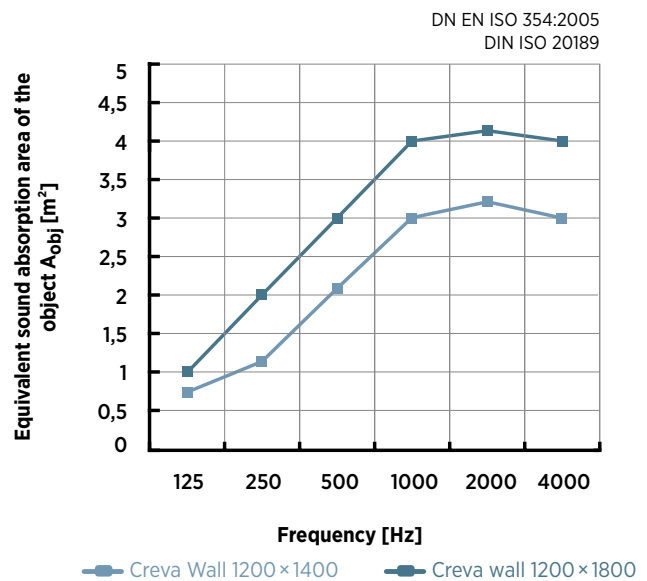
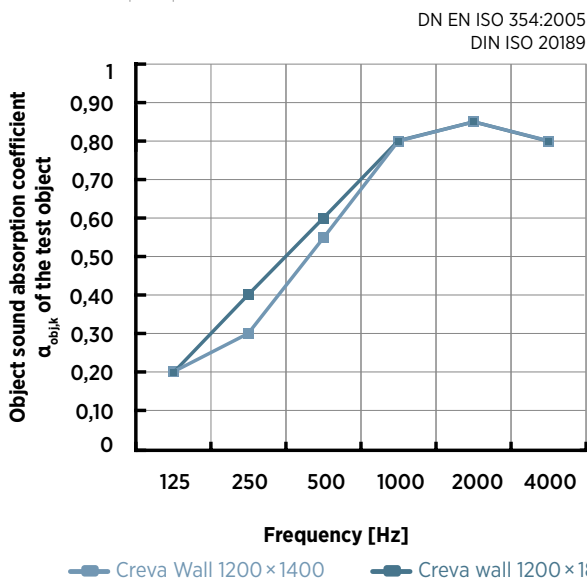
dimensions [mm]	weight [kg/piece]
1200 × 1400	31,0
1200 × 1800	37,1

Fabrics: Cura, Xtreme, Mine Line Flax, Step/Step Malange, Blazer, skai Parotega, Remix 3

Construction: Free-standing, upholstered wall with magnets in side edges. Magnets allowing wall connection into arrangements. Boat-shaped base made of powder-coated steel.



### Acoustic properties



Upholstery of the tested product: Synerg

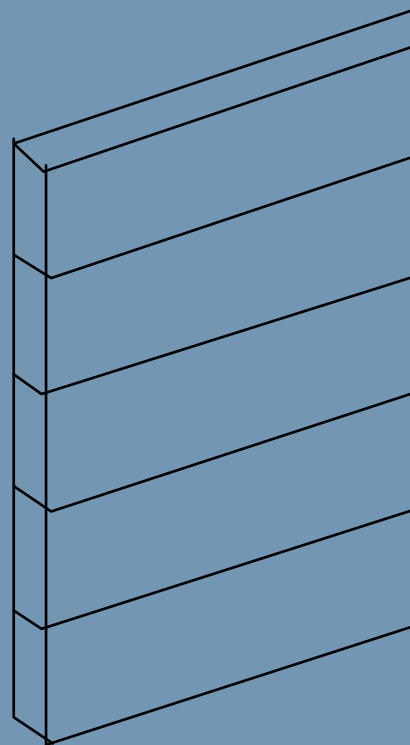
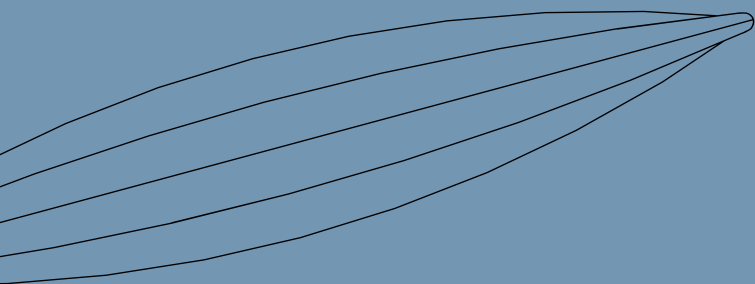
\* Changing the upholstery affect the acoustic properties of the product.

Object sound absorption coefficient $\alpha_{obj,k}$ of the test object						
f[Hz]	125	250	500	1000	2000	4000
Creva wall 1200 × 1400	0,20	0,30	0,55	0,80	0,85	0,80
Creva wall 1200 × 1800	0,20	0,40	0,60	0,80	0,85	0,80

Equivalent sound absorption area of the object $A_{obj}$ [m <sup>2</sup> ]						
f[Hz]	125	250	500	1000	2000	4000
Creva wall 1200 × 1400	0,7	1,2	2,1	3,0	3,2	3,0
Creva wall 1200 × 1800	1,0	1,9	3,0	4,0	4,1	3,9



Office screen isolates sounds and visually separates the space. Product absorbs sound well mostly in medium and high frequencies, so it will mostly affect human speech, clicking, tapping, phone ringtones sounds etc. Absorption properties increase efficiency of the screen and reduce reverb in the room.



Let's make your space together

