



soften[®]
acoustic panels

Witteveen
Project-Inrichting.nl

soften&designers

Soften Oy is a Finnish company specialized in acoustic interior design solutions. Soften manufactures a wide range of innovative acoustic panels and elements designed to provide enhanced interior appearance and excellent acoustic performance.

Our production is based strongly on production development. Wide range and long term expertise of mechanic design, product design and interface design guarantees the development and manufacturing of innovative and high-quality products.

Soften brings out new and interesting acoustic products that suit for private homes as well as public offices. Our products represent finest quality, easy usability and convertibility.



Marko Ståhlstedt



Veli-Matti Laukasto

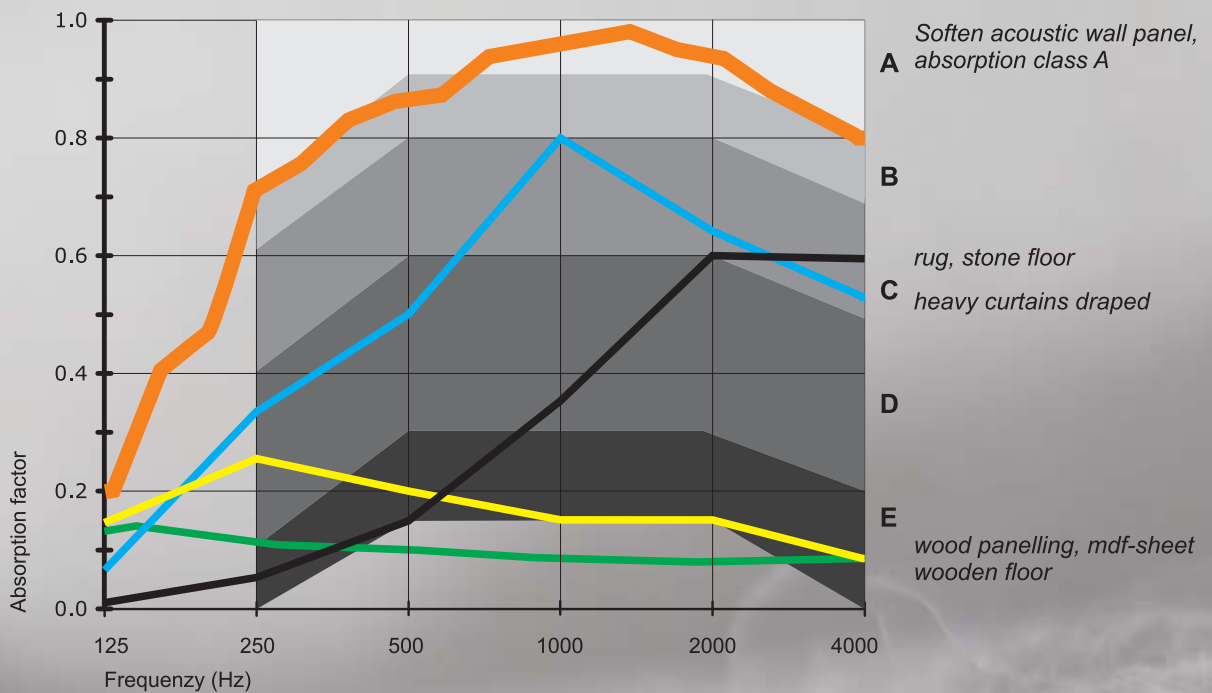


Valtteri Wilén



Jorma Vennola

Absorption classification



About acoustics

The world of sounds has a great affect on the welfare of people. Spaces suffering of disturbing echoes and noises have many negative effects. The acoustics of a space can be improved and controlled, so it is very important to pay attention to these things.

A reverberation, or reverb, is created when a sound is produced in an enclosed space causing a large number of echoes to build up and then slowly decay as the sound is absorbed by the walls and air. When the reverberation time is short, the previous word of the speaker abates until the listener hears the next word. This makes the speech well-understandable. When the reverberation time is longer, it is more difficult to understand speech clearly. This makes people to raise their voices or for example watch the television louder. This leads to even noisier working or living environment. Softer materials absorb the sound waves and reduce effectively the disturbing echoing sounds.

There are 5 absorption classes (A, B, C, D and E) according EN ISO 11654 standard. The noise reduction is being measured between frequencies 200 – 5000 Hz. Products that meet class A have the best noise reduction capability.

acoustics

soften wall panels



Model S1



Model S2



Model S3



Model S4
"Lohko"

Soften acoustic panels suit for offices, public spaces as well as private homes. Wall panels are made of recycled polyester felt cloth (PET). Acoustic panels reduce effectively the reverberation time.

Acoustic panels are available with absorption classes A and C. With acoustic filling inside all the Soften panels reach class A.

Soften Wall panels are removable and fully interchangeable. By combining different shapes and colors you can create spectacular interior designs of your own. The effect of shape and surface can be highlighted with lighting.







Soften Air is ideal for public spaces where a pleasant sound environment is vital, e.g. landscape offices, waiting rooms, libraries, banks etc. The absorption class for Soften Air is the best possible: class A (EN ISO 11654).

Soften Air is tailor made according to customers wishes. It consists of modules size 55 x 55 cm. Soften Air can be used as acoustic room divider, or installed to the ceiling as a floating acoustic construction.

You may choose one color and panel type only, or a combination of different colors and panel types. All Soften panel models are available for Soften Air.





usability

The installation of Soften acoustic panels is very easy. All you need is a measure tape and a pencil.

- No extra tools are needed!

Acoustic panels are easy to install to even surfaces with adhesive stripes, which are attached in the corner pieces.

Panels can be installed also with screws.

The combination created from the panels can easily be varied after installation. The panels can be removed from the wall and their places changed among each other. This way you can fresh up the appearance any time!



Installation

Softener corner fastener



Velcro-adhesive

Adhesive attached to the wall

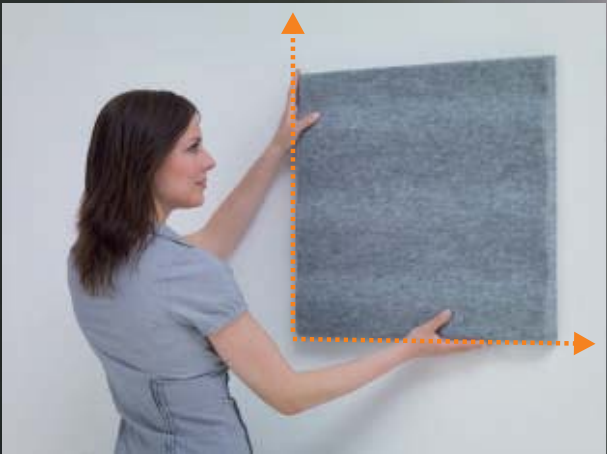


Adhesive attached to the corner fastener

1.



2.



3.



4.



materials & colours

Soften acoustic panels

- Material 100 % polyester felt cloth
- Manufactured without any solvent or other chemical substances
- Material is recycled
- Acoustic absorption class according standard ISO 354:2003
- Safe, no breakable parts
- Manufactured in Finland

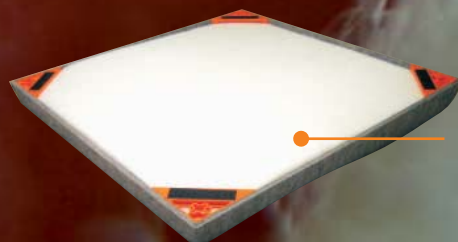
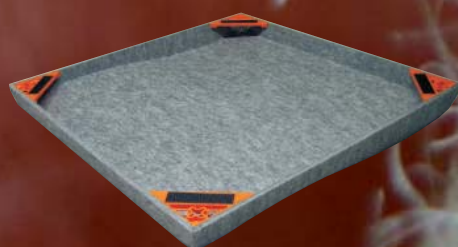
Absorption class C (EN ISO 11654) is reached without the acoustic filling inside the panel. The best absorption class A (EN ISO 11654) is reached when the panel includes the acoustic filling.

Acoustic filling

- Manufactured of recycled or new polyester fibres
- Material is recyclable
- Fire Safety Classification acc. EN 13501-1:2002: B-s1,d0
- Allergy-friendly
- Manufactured in Finland

The standard colors are off-white, light grey, dark grey and black.

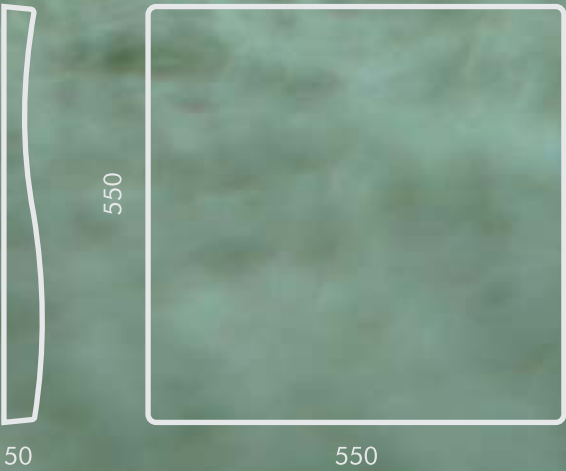
In addition to standard colors, the panels can be covered with Gabriel wool fabrics, color scales Europost and Luna (www.gabriel.dk). There are altogether 95 color alternatives.



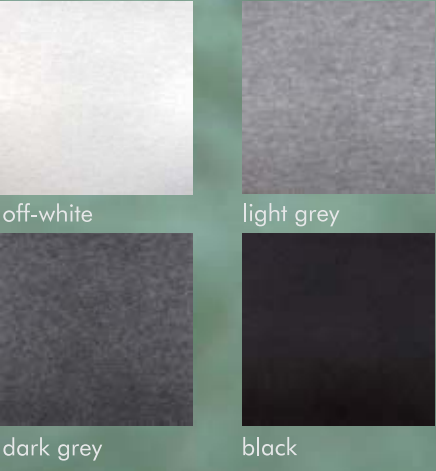
Acoustic filling



Measurements



Standard colors



Colors can vary from this printed material.



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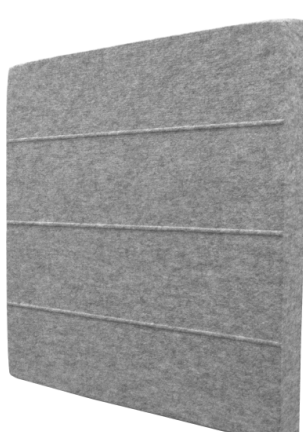
Soften Lines

Dynamic and versatile

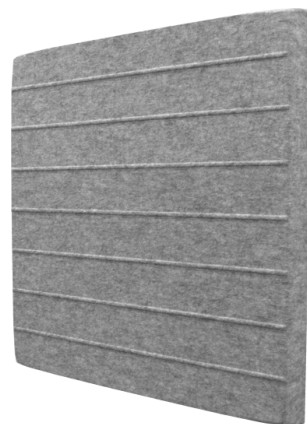
The Soften Lines -collection consists of different striped panels. By aligning and positioning different panels and colors, you can create simple and deorative details or big, dynamic installations that will be seen and admired. The Soften Lines -collection can also be used together with the S5 -panel.



L1 -panel



L2 -panel



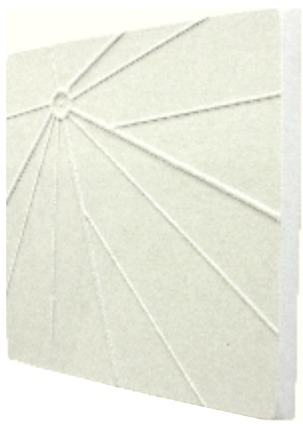
L3 -panel



L4 -panel



L5 -panel, "Swirl"



L6 -panel, "Web"

Product information

PANEL SIZE
55 x 55 x 4,5 cm
Weight: 1,0 kg

PANEL COLORS
Standard colors: white, light grey,
dark grey and black
Special colors: Gabriel wool fabrics
(Europost2 and Luna2)

Installation

The panels are easy to install either by using screws, or with two-sided Velcro tape that comes with the panels. This way there is no need for any tools!

Material information

Soften Wallpanels
Material 100 % polyester felt cloth
Manufactured without any solvent or other chemical substances
Material is recycled
Acoustic absorption class according standard ISO 354:2003
Safe, no breakable parts
Manufactured in Finland

Acoustic filling
Manufactured of recycled or new polyester fibres
Material is recyclable
Fire Safety Classification acc.EN 13501-1:2002: B-s1,d0
Allergy-friendly
Manufactured in Finland

Soften Pastille

Fun and uplifting

If you want to incorporate fun and happiness into everyday life, Soften Pastille offers you a chance to do so. Splashes of color are uplifting for both our spirits as well as the interior design in both homes and public spaces. By using different colors and lightning, you can design and create interesting and eye-catching installations, or subtle details.

Product information

PANEL SIZE

P1: 40 x 40 x 5 cm

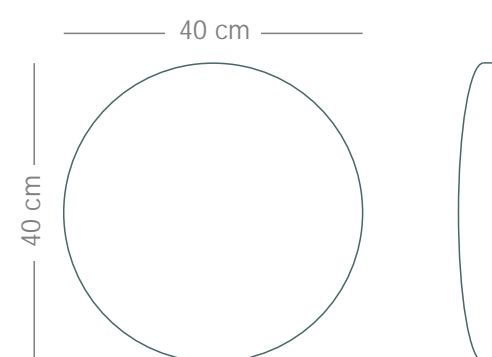
P2: 40 x 40 x 5 + 2 cm

Weight: 0,7 kg

PANEL COLORS

Standard colors: white, light grey, dark grey and black

Special colors: Gabriel wool fabrics (Europost2 and Luna2)



The panels are easy to install either by using screws, or with two-sided Velcro tape that comes with the panels. This way there is no need for any tools!



P1 -panel convex.

The concave side is attached to the wall, and fabric can be attached to the outside of Pastille.



P2 -panel concave.

The convex side is attached to the wall, and fabric can be attached to the inside of Pastille.

Material information

Soften Wallpanels

Material 100 % polyester felt cloth
Manufactured without any solvent or other chemical substances
Material is recycled
Acoustic absorption class according standard ISO 354:2003
Safe, no breakable parts
Manufactured in Finland

Acoustic filling

Manufactured of recycled or new polyester fibres
Material is recyclable
Fire Safety Classification acc. EN 13501-1:2002: B-s1,d0
Allergy-friendly
Manufactured in Finland

