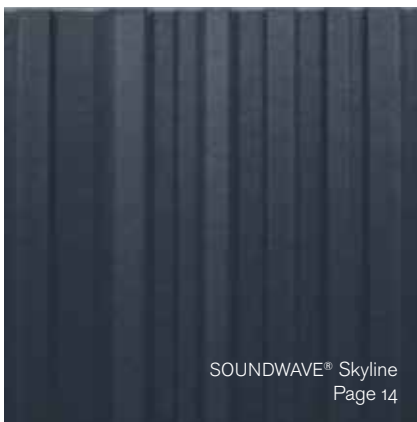
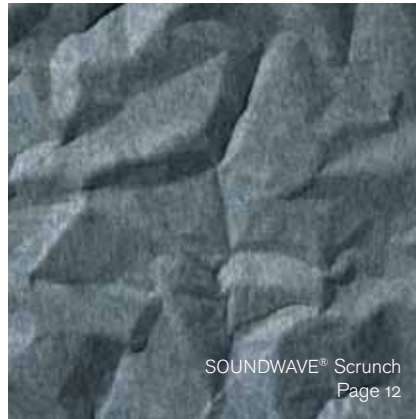
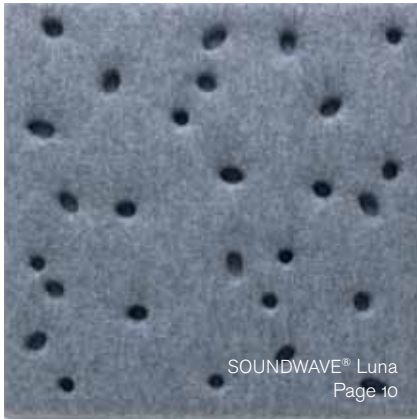
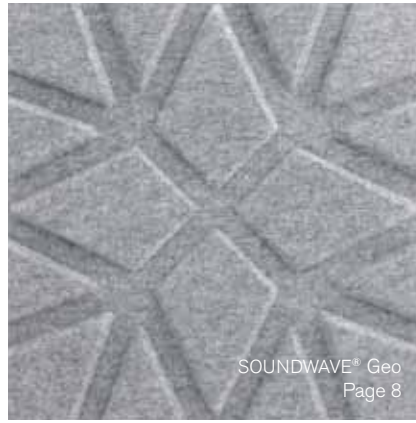
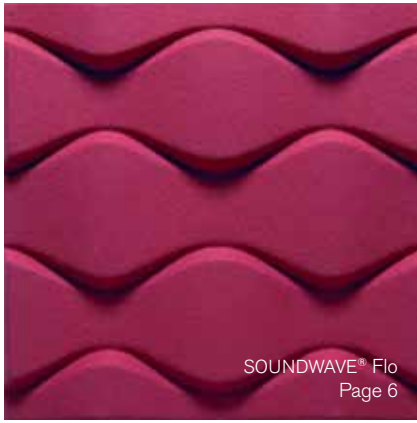


OFFECCT

Soundwave





Additional information:

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SOUNDWAVE® in different environments
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SOUNDWAVE® installation instructions
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SOUNDWAVE® fire safety
Page 28

Europost library
Page 30

Front page

Project: Öviks energi, Interior architect: Jenny Westin, Fotografier: Louise Billgers

SOUNDWAVE[®]

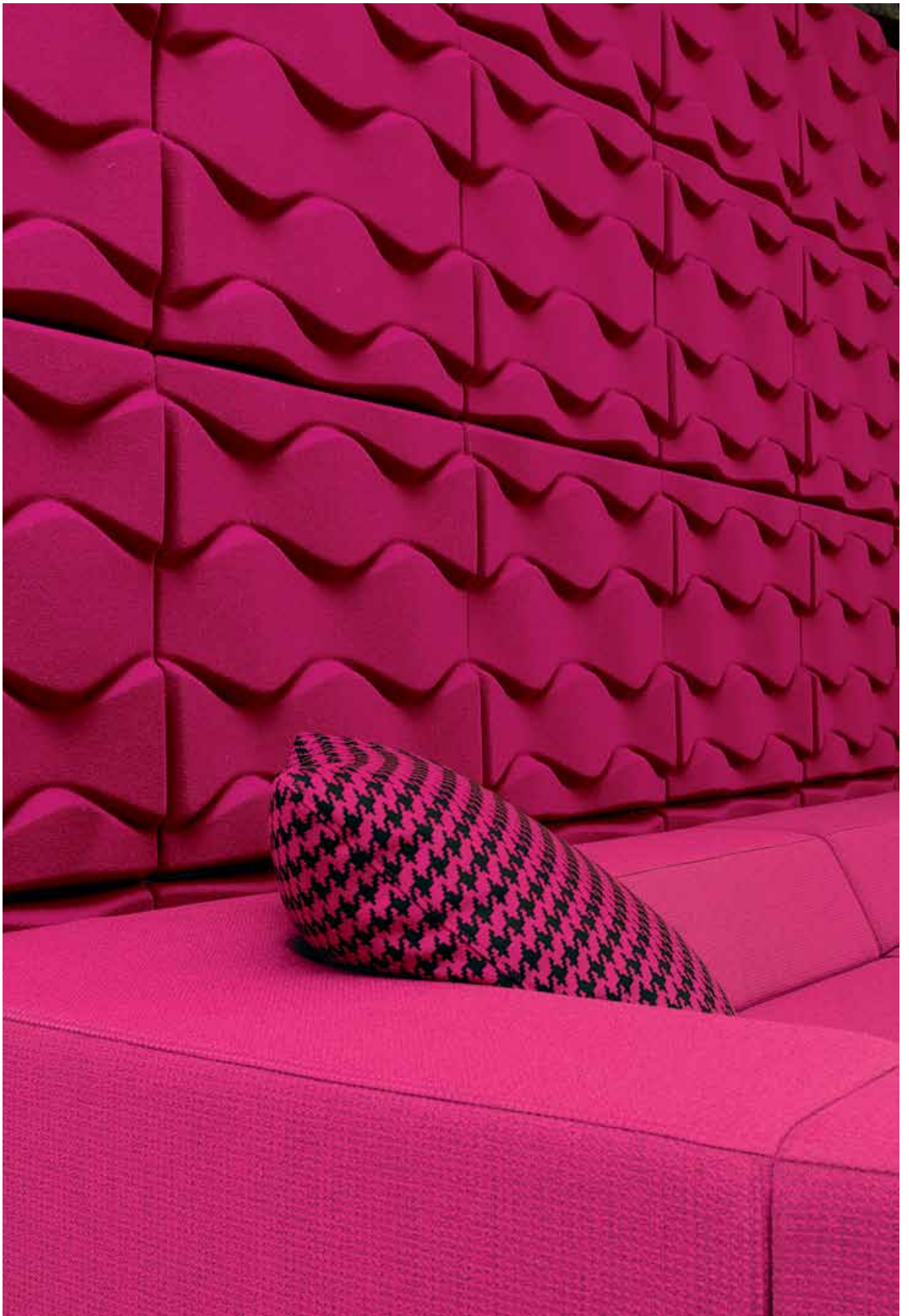
Collection

Each panel in the SOUNDWAVE[®] series is designed for a specific acoustic purpose. The wall panels can be combined in different ways to meet the needs of almost any room or environment.

Successful acoustic design requires both a good understanding of the unique acoustic properties of each panel type, and a correct analysis of the specific acoustic needs of an interior. The wall panels can be combined in different ways to meet the needs of almost any room or environment.







SOUNDWAVE[®] Flo by Karim Rashid



Flo is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. SOUNDWAVE[®] Flo can be produced to meet the requirements of the Nordic Swan ecolabel.

Material: Recyclable moulded polyester fibre.

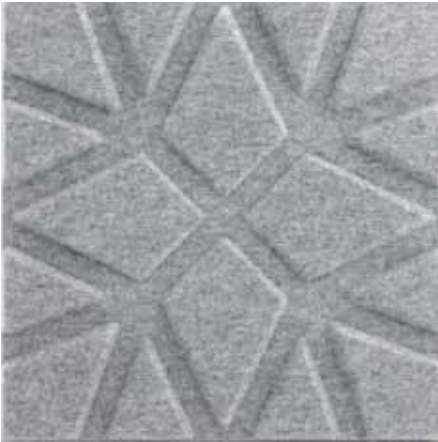
Colours: All colours available (see page 30 for more information).





SOUNDWAVE[®] Geo

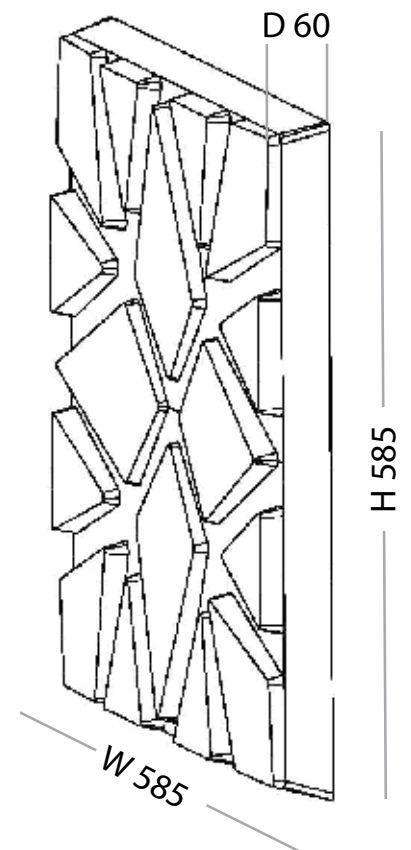
by Ineke Hans



Geo is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. SOUNDWAVE[®] Geo can be produced to meet the requirements of the Nordic Swan ecolabel.

Material: Recyclable moulded polyester fibre.

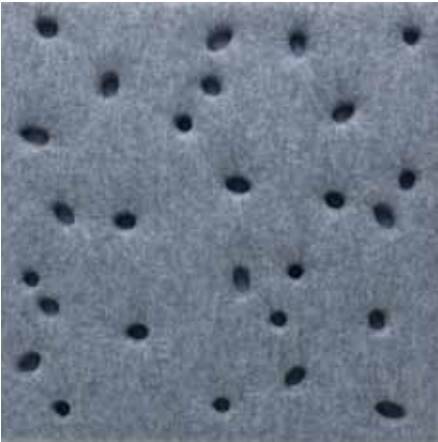
Colours: Off-white, grey and anthracite.





SOUNDWAVE[®] Luna

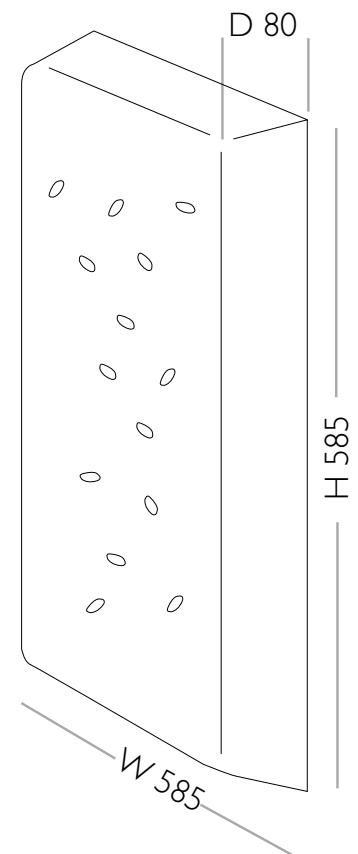
by Teppo Asikainen



Luna is a heavyweight broadband absorber with extended efficiency in the low frequency range (150 Hz-500 Hz). These panels efficiently reduce the reverberation time (sound “bouncing around”) in a room.

Material: Recyclable moulded polyester fibre, back plate in plastic.

Colours: Off-white and grey.





SOUNDWAVE[®] Scrunch

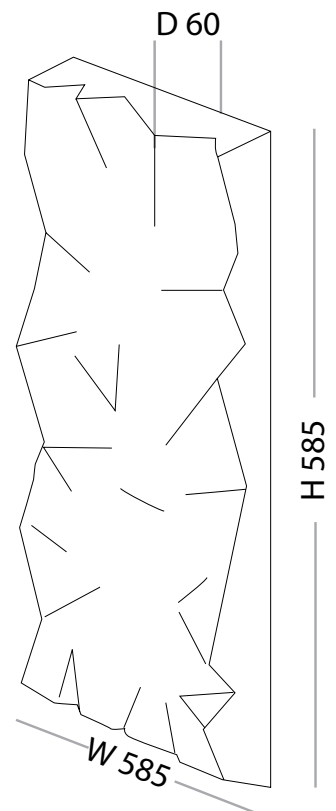
by Teppo Asikainen



Scrunch is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc.

Material: Recyclable moulded polyester fibre.

Colours: All colours available (see page 30 for more information).





SOUNDWAVE[®] Skyline

by Marre Moerel

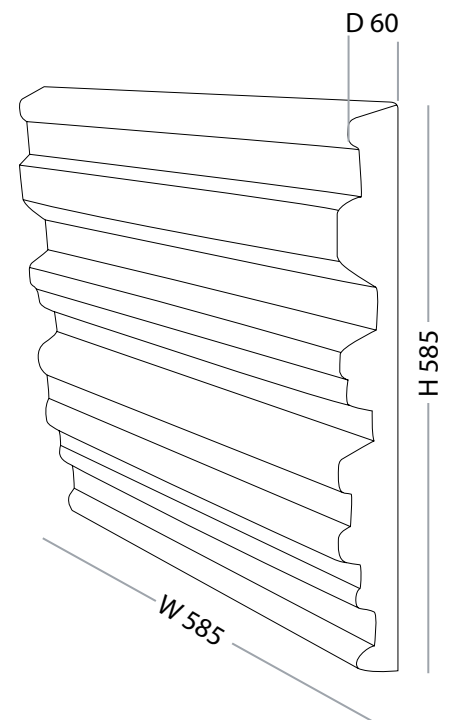


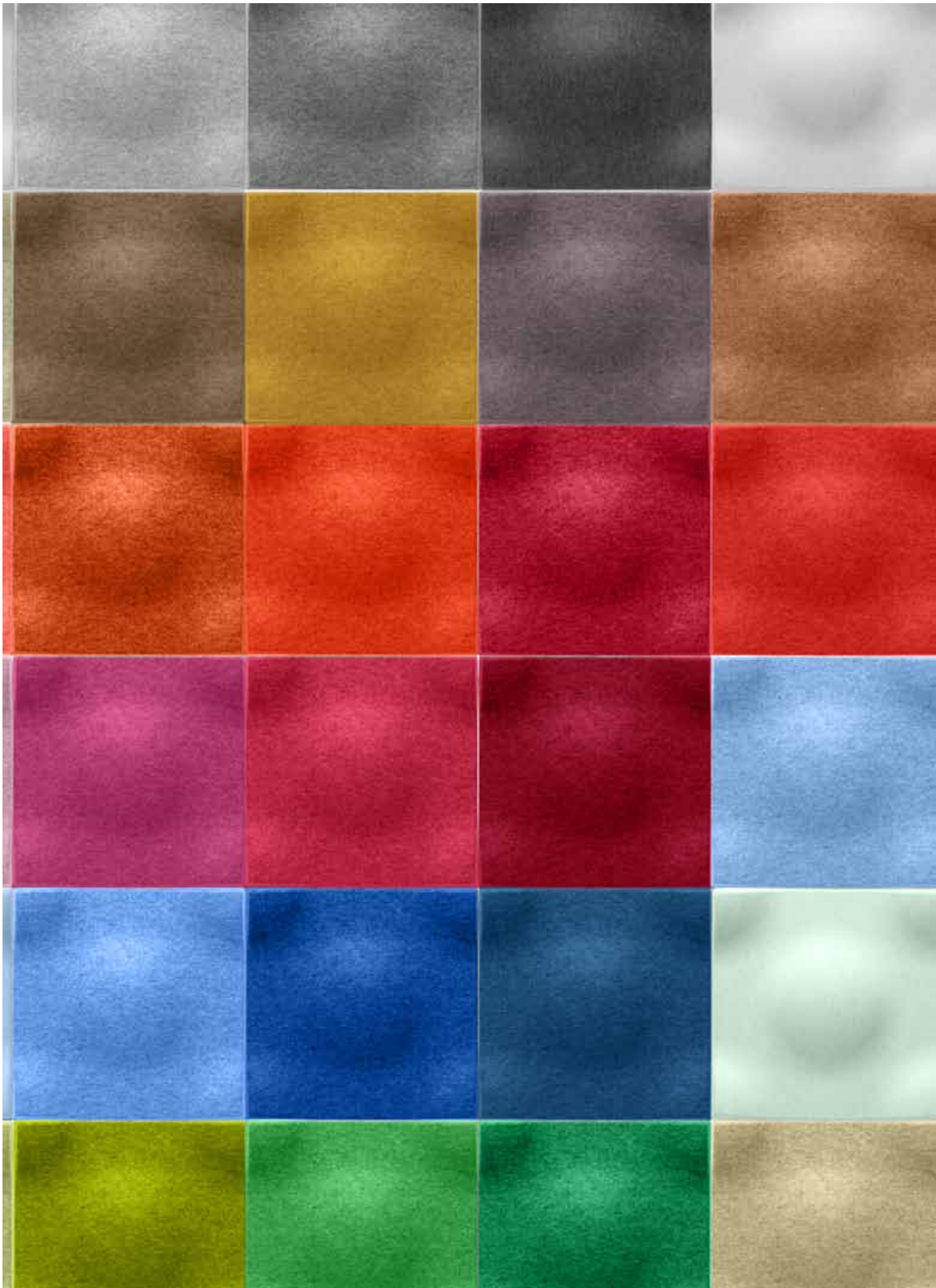
Skyline is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc.

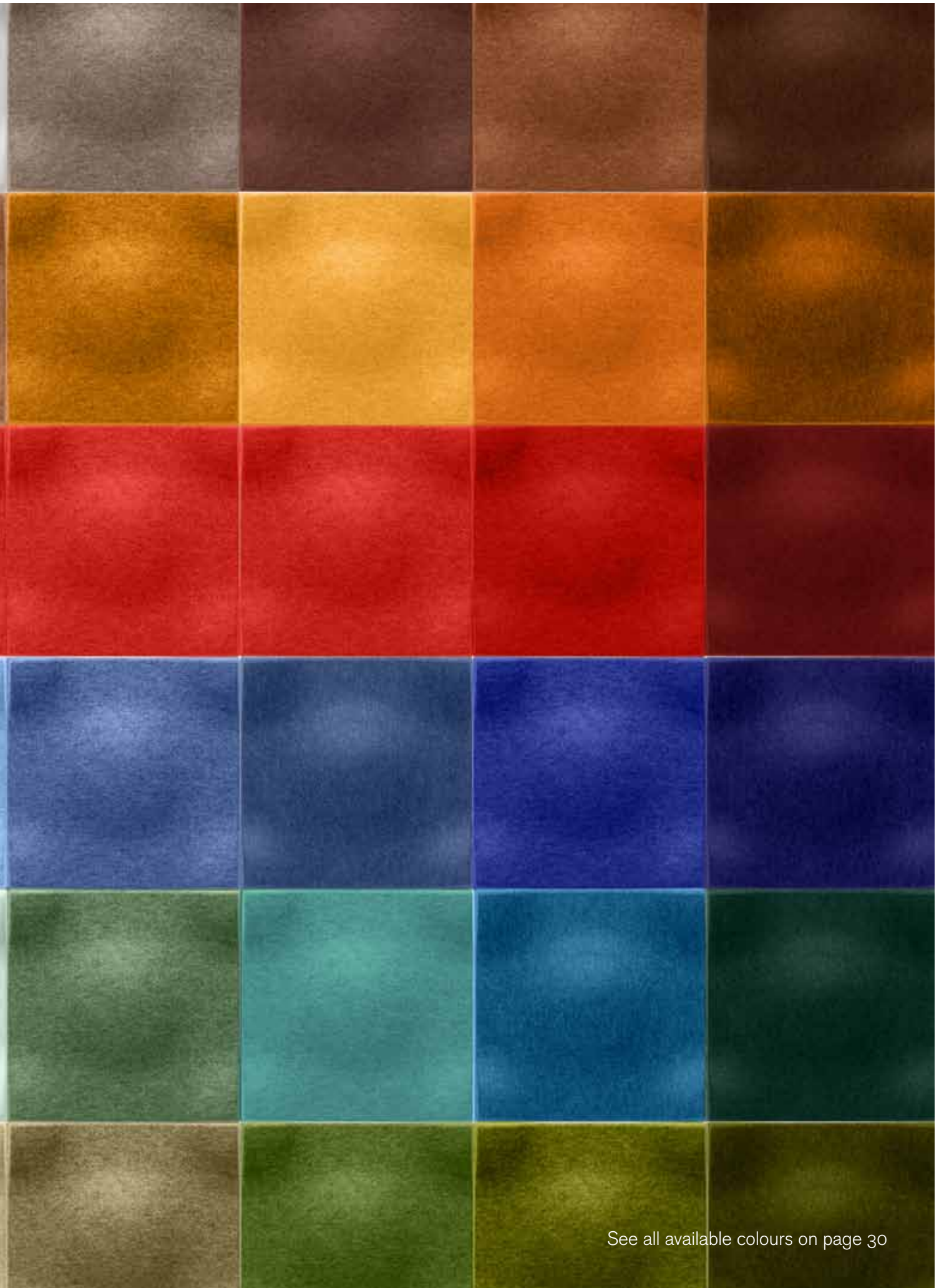
SOUNDWAVE[®] Skyline is certified by the Nordic Swan ecolabel.

Material: Recyclable moulded polyester fibre.

Colours: Off-white, grey and anthracite.







See all available colours on page 30



SOUNDWAVE[®] Swell by Teppo Asikainen

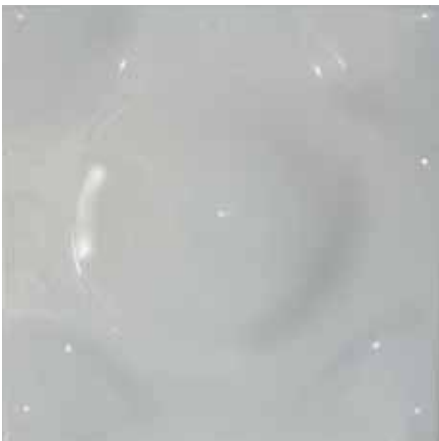


Swell is designed to be used as a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds. SOUNDWAVE[®] Swell can be produced to meet the requirements of the Nordic Swan ecolabel.

Material: Recyclable moulded polyester fibre.

Colours: All colours available (see page 30 for more information).

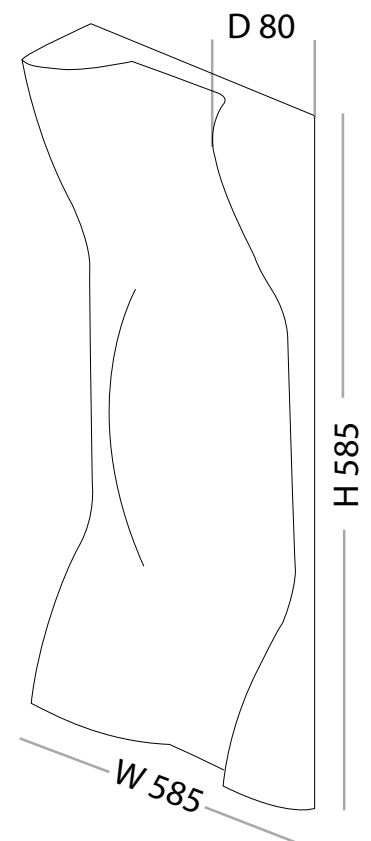
Swell Diffuser

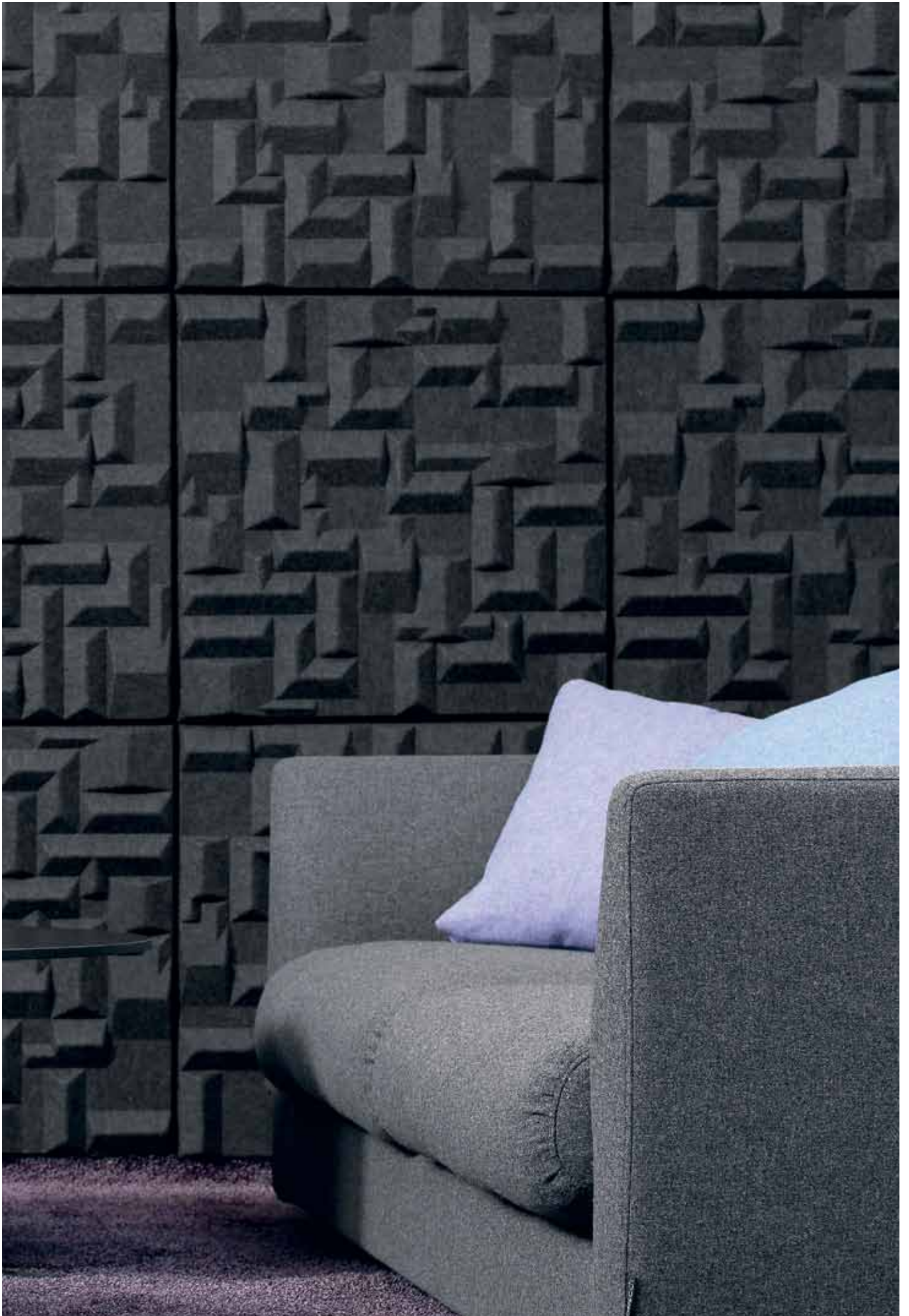


The panel provides sound diffusion rather than absorption. Correctly positioned, the diffuser panels will improve speech intelligibility and even improve privacy in open spaces as the speaker does not need to talk loudly in order to be heard.

Material: 100% PET.

Colours: Semi-transparent white.





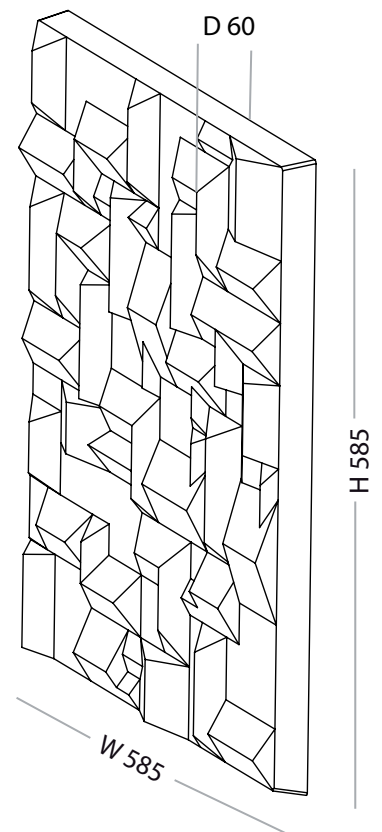
SOUNDWAVE[®] Village by Claesson Koivisto Rune



Village is designed to be used as a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. SOUNDWAVE[®] Village is certified by the Nordic Swan ecolabel.

Material: Recyclable moulded polyester fibre.

Colours: Off-white, grey and anthracite.

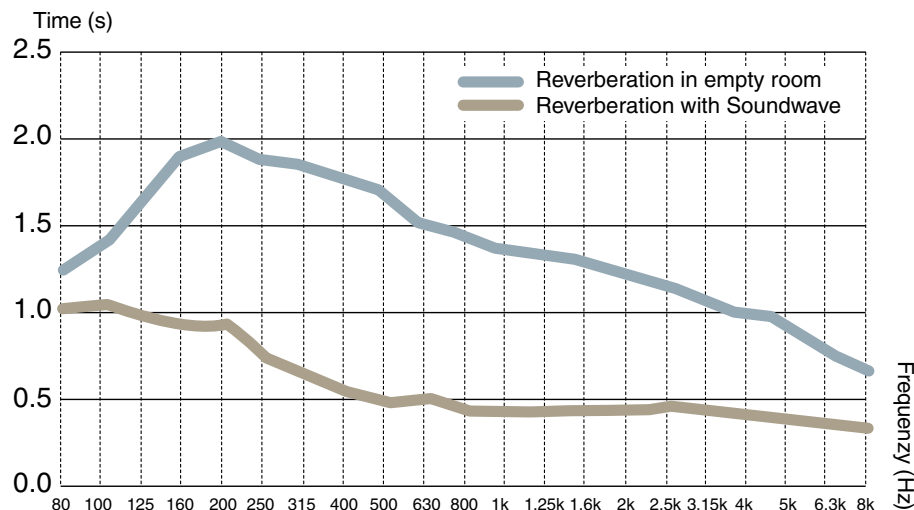


Acoustic demonstration

This case study was designed to demonstrate how SOUNDWAVE® can be used to improve the acoustics in a conference room.

For the demonstration we used a fairly typical modern meeting room: approx 30 sq metres, the hard surfaces (floor, white board, conference table etc) and lack of soft furnishings contributed to the poor acoustics.

The room was tested in its original state and then retested with 41 Swell panels and 40 Luna panels grouped on the walls. The SOUNDWAVE® panels helped to considerably reduce the reverberation time, a major factor in eliminating fatigue related to high background noises in meeting rooms and workspaces.



Reverberation time curve

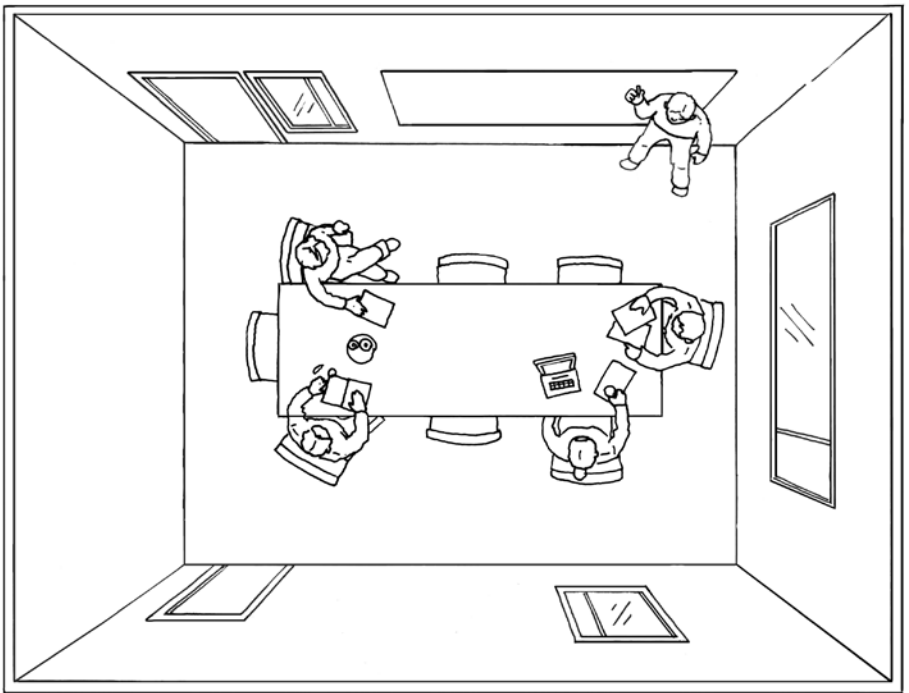
Reverberation time between 80 Hz-8kHz shown with and without SOUNDWAVE® panels.

The diagram shows the reverberation time in the room with and without SOUNDWAVE® panels. The darker grey curve shows the room without panels, the lighter grey curve shows the room with all 81 panels in place.

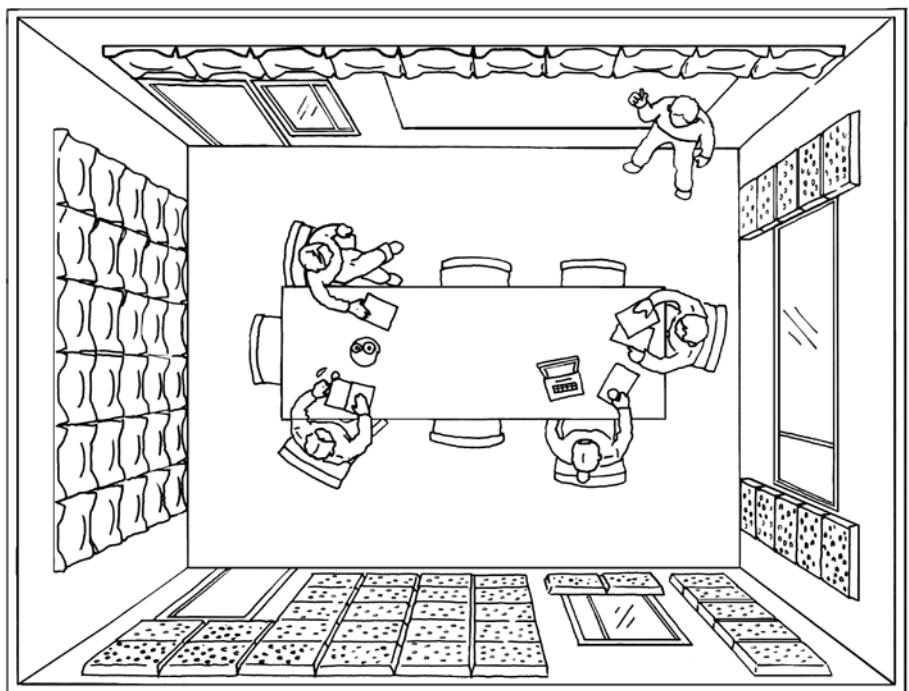
The measurements were made according to ISO standards. This means that an omnidirectional sound source (a special speaker) was placed in the room and noise was played at a specified level. After sometime the sound was suddenly stopped. The break activates a measuring device which records the process of the sound "ringing out" in the room - the reverberation. The data for the RT (reverberation time) curves was extruded from this recording.

The horizontal axis represents the sound spectrum with low bass sounds on the left and high treble sounds on the right end.

The vertical axis represents the time needed for the reverberation tail of a sound to "fade out" to silence. A curve plotted at a high position on this axis means that the time needed for a sound to fade out was quite long, in other words the reverberation time was long.



Conference room without acoustic insulation



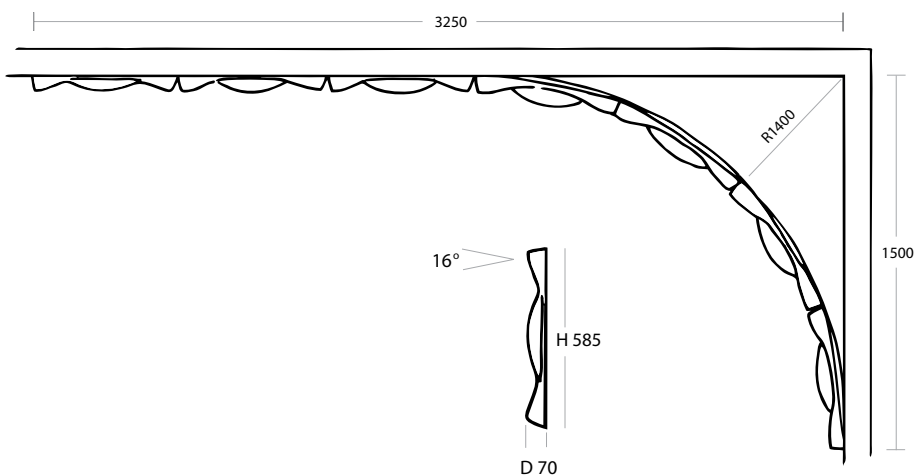
Conference room with acoustic insulation.

SOUNDWAVE[®]

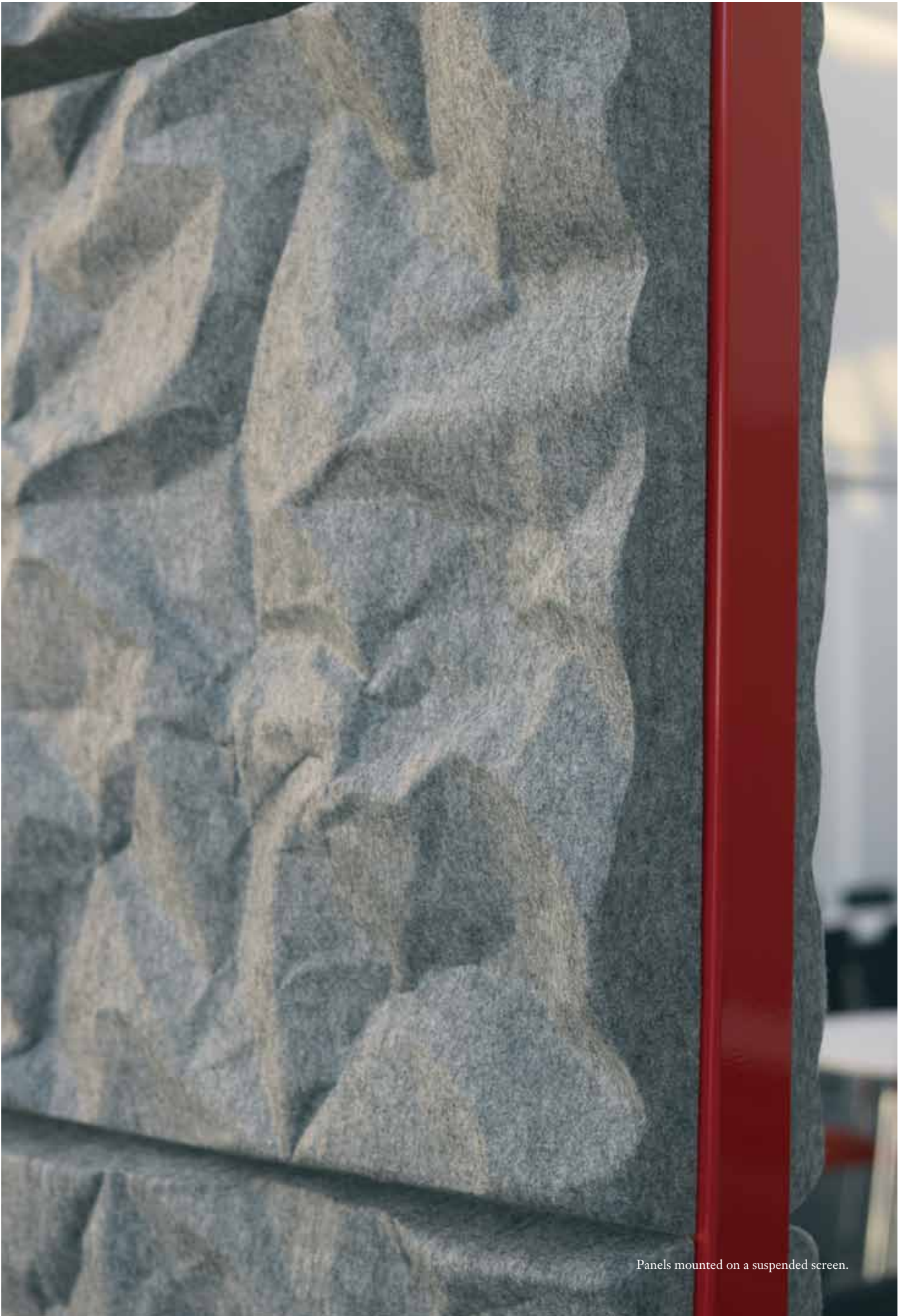
in different environments

Restaurants, schools, offices and homes. Their sleek design and simple installation makes the SOUNDWAVE[®] panels fitting in any type of surrounding or environment.

The versatile SOUNDWAVE[®] panels are designed to be used in many different ways and suit different environments. The panels are mounted using self-adhesive Velcro and can easily be applied to most wall surfaces or be removed and relocated.



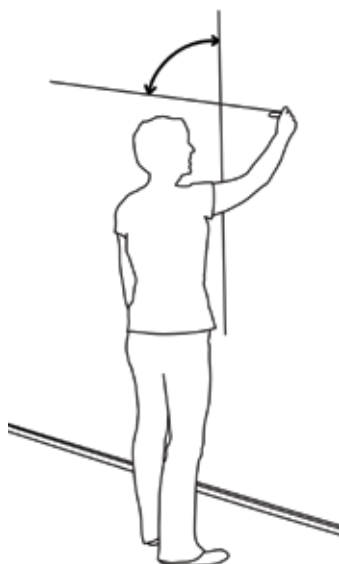
Minimum radius is R 1400. A flat surface is required for installation. For a rounded corner we suggest you make a simple construction with stripes of 585 x 5 mm plywood.



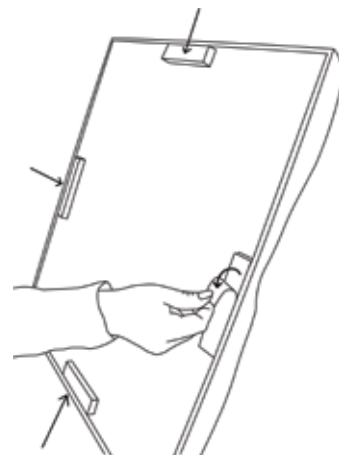
Panels mounted on a suspended screen.

SOUNDWAVE[®]

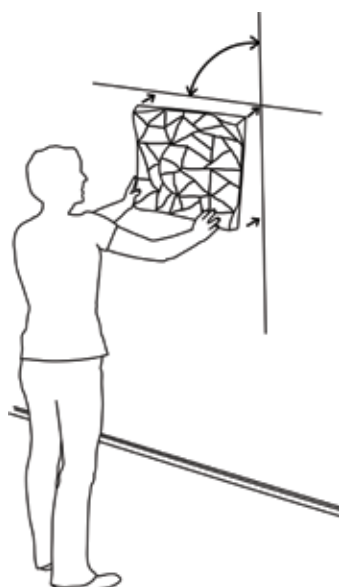
installation instructions



Plan the installation before you start in order to avoid having to take the Velcro down and restart, as this will destroy the glue. It is possible to order new Velcro's in case you need to.



Each panel has four Velcro attachments. Press each Velcro for a minimum of 10 sec before installation. Start putting the first panel on the centre of a horizontal line. A laser level pass is recommended for a perfect installation.



Some walls respond badly to the glue of the Velcro, for example walls that have been cleaned/washed with "paint remover". In these cases we recommend attaching the Velcro to the walls separately before attaching the panels.



After putting all the panels in place, check that all Velcro attachments sticks to the wall, if not press each point until it feels secure. If the wall is uneven, please use a staple gun. Staple the velcro into the wall, using two staples per Velcro attachment.



Important information before installation:

- All walls must be dry (at least 1 week from painting) and clean before attaching the Velcro, without wet or dry chemicals on the wall surface.
- Outside walls are not recommended *if* they are wet and cold.
- Walls that are old and/or effected with nicotine from cigarettes have to be carefully cleaned or repainted before installation.
- The glue on the Velcro will be destroyed by silicon products such as hand lotion etc. Do not touch the glue while putting the panels up.
- The surface must be even, brick walls need to be covered with a flat surface material before installation.
- It helps a lot to paint the wall in the same colour as the panels. This makes the gaps between the panel joints much less visible.
- Avoid high temperatures from lights or heating system as it can cause the glue to melt and the panels will fall down.
- Soundwave panels are NOT developed to be attached to ceilings.

SOUNDWAVE[®]

fire safety



UK Conclusions

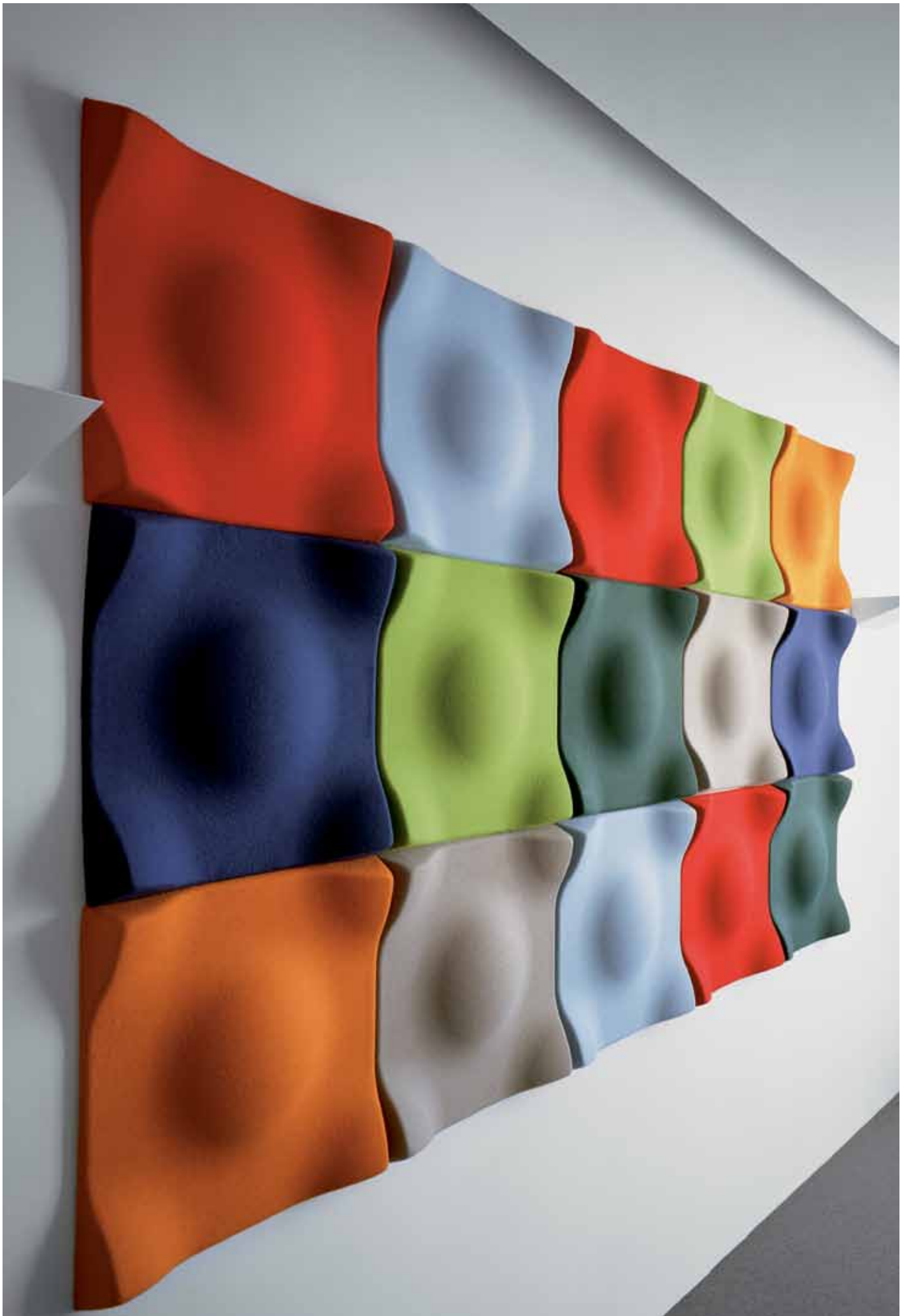
The SOUNDWAVE[®] panel has achieved a BS 476 part 7 Class 2 rating. The test data should be presented to the relevant building control authorities when requested, to support the application for the material's use.

Swedish Conclusions

The SOUNDWAVE[®] panel meets the requirements for materials difficult to ignite according to "Boverkets riktlinjer för godkännande, Brandskydd, Allmänna råd 1993:2, utgåva 2". The Soundwave panel emits gas concentrations below what is acceptable and all gas concentrations are below limits in IMO FTP Code Resolution MSC. 61 (&/), chapter 1, Annex 1, Part 2.

French conclusions

The SOUNDWAVE[®] panel has achieved a M3 rating according NF P 92 501 and NF P 92 507. The Soundwave panel meets the NF P 92 505 criteria for dripping.



Standard colours - all panels available in off-white and grey.



Off-white



Grey

Europost library - all colours available for Flo, Scrunch and Swell.



60000



60003



60004



60016



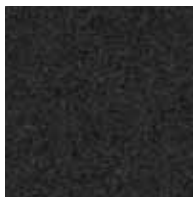
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60029



60030



60999



61003



61004



61005



61020



61024



61025



61042



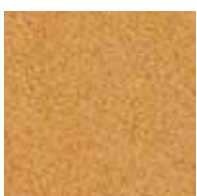
61052



61053



62003



62004



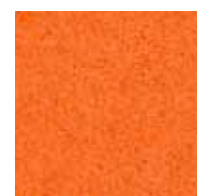
62020



63004



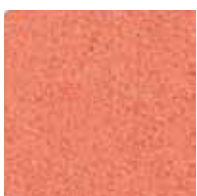
63005



63016



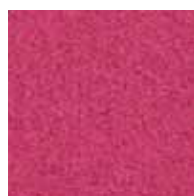
63020



63030



64003



64009



64035



64038



64045



64064



64068



64070



65010



65016



65040



66005



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67004



67016



67040



68003



68004



68010



68030



68035



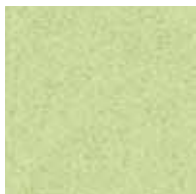
68039



68055



68061



68064



68067



68068



68069



68072

OFFECCT Collection



EASY BLOCK
Jean-Marie Massaud



FLOAT
Eero Koivisto



FLOAT HIGH
Eero Koivisto



GHOST
Eero Koivisto



GROW
Teruhiro Yanagihara



KING
Thomas Sandell



MINIMA
Claesson Koivisto Rune



MINIMA
Claesson Koivisto Rune



MINIMA
Claesson Koivisto Rune



NEMO
Eero Koivisto & Ola Rune



ORBIT
Eero Koivisto



ORGY
Karim Rashid



PLAYBACK
Eero Koivisto



SMALLTOWN
Eero Koivisto



BOND
Jean-Marie Massaud



BOND
Jean-Marie Massaud



CLUB
Christophe Pillet



FLOAT
Eero Koivisto



FLOAT HIGH
Eero Koivisto



FLY
Patrick Norguet



GHOST
Eero Koivisto



LOUIS IX
Carlos Tiscar



LOUIS IX
Carlos Tiscar



MINIMA
Claesson Koivisto Rune



MONO LIGHT
Ola Rune



NEMO
Eero Koivisto & Ola Rune



ORBIT
Eero Koivisto



ORIGAMI
Carlos Tiscar



OYSTER
Michael Sodeau



OYSTER HIGH
Michael Sodeau



PALMA
Khodi Feiz



PALMA
Khodi Feiz



QUEEN
Olle Anderson



SMALLTOWN
Eero Koivisto



SOLICHAIR
Alfredo Häberli



SOLITAIRE
Alfredo Häberli



SPOON
Monica Förster



SPOON LOW
Monica Förster



TEMPO
Andrea Ruggiero



TINTO
Claesson Koivisto Rune



BOND
Jean-Marie Massaud



BOND
Jean-Marie Massaud



BOND
Jean-Marie Massaud



BOND
Jean-Marie Massaud



BOND LIGHT
Jean-Marie Massaud



BOND LIGHT
Jean-Marie Massaud



CANTI
Björn Dahlström



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



KING
Thomas Sandell



LOUIS IX
Carlos Tiscar



LOUIS IX
Carlos Tiscar



MOD
Monica Förster



MOD
Monica Förster



MONO LIGHT
Ola Rune



MONO LIGHT
Ola Rune



PALMA MEETING
Khodi Feiz



PALMA MEETING
Khodi Feiz



QOOL
Olle Anderson



QUICK
Olle Anderson



QUICK
Olle Anderson



QUILT
Olle Anderson



ROBO
Luca Nichetto



TOFFEE
Eero Koivisto



AMAZONAS
Eero Koivisto



BASIC
OFFECCT Design Studio



BIRD
Broberg & Ridderstråle



BOND
Jean-Marie Massaud



BOND
Jean-Marie Massaud



BOND XL
Jean-Marie Massaud



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



CORNFLAKE
Claesson Koivisto Rune



DROPLET
Inngun Eikeland Björkelo



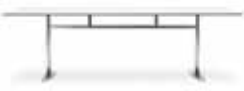
GRIP
Satyendra Pakhalé



ETAGE
Claesson Koivisto Rune



OUTLINE
Mika Tolvanen



PROPELLER
Eero Koivisto



PROPELLER
Eero Koivisto



SNOWFLAKES
Claesson Koivisto Rune



TRAY
Monica Förster



VERTIGO
Eero Koivisto



WINDOW
Eero Koivisto



SOUNDWAVE® Flo
Karim Rashid



SOUNDWAVE® Geo
Ineke Hans



SOUNDWAVE® Luna
Teppo Asikainen



SOUNDWAVE® Scrunch
Teppo Asikainen



SOUNDWAVE® Skyline
Marre Moerel



SOUNDWAVE® Swell
Teppo Asikainen



SOUNDWAVE® Village
Claesson Koivisto Rune



FLOWER
Eero Koivisto



FLOWER MEDI
Eero Koivisto



FLOWER MINI
Eero Koivisto



K-LINE
Khodi Feiz



K-LINE
Khodi Feiz



K-LINE
Khodi Feiz



K-LINE
Khodi Feiz



K-LINE
Khodi Feiz



K-LINE
Khodi Feiz



SPARKS
Mikko Laakkonen



SPARKS
Mikko Laakkonen



CLOUD
Monica Förster



FOREST
Katrin Greiling



SPINNAKER
Beat Karrer



PICK UP
Alfredo Häberli



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