

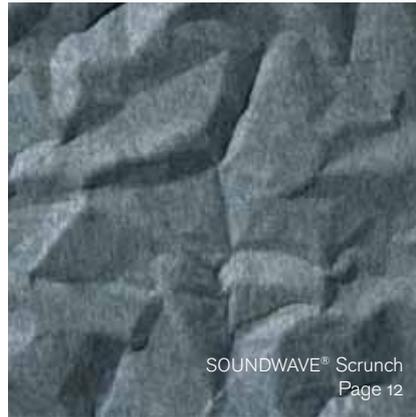
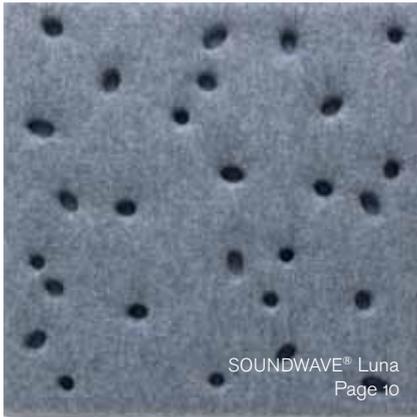
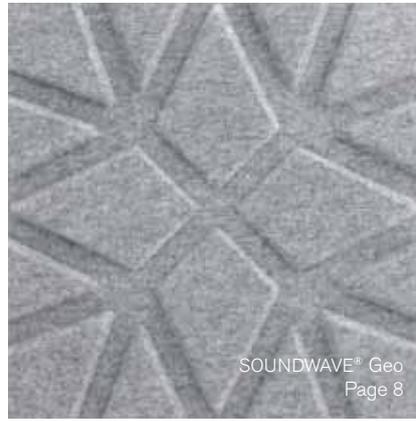
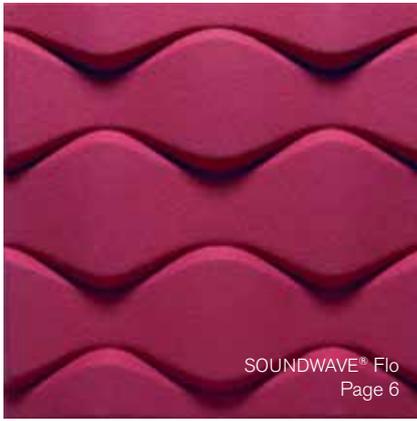
De Projectinrichter

[www.deprojectinrichter.com](http://www.deprojectinrichter.com)  
0800-5666666

# OFFECCT

*Soundwave*





**Additional information:**

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Page 22

SOUNDWAVE® in different environments  
Page 24

SOUNDWAVE® installation instructions  
Page 26

SOUNDWAVE® fire safety  
Page 28

Europost library  
Page 30

**Front page**

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

# *SOUNDWAVE<sup>®</sup>*

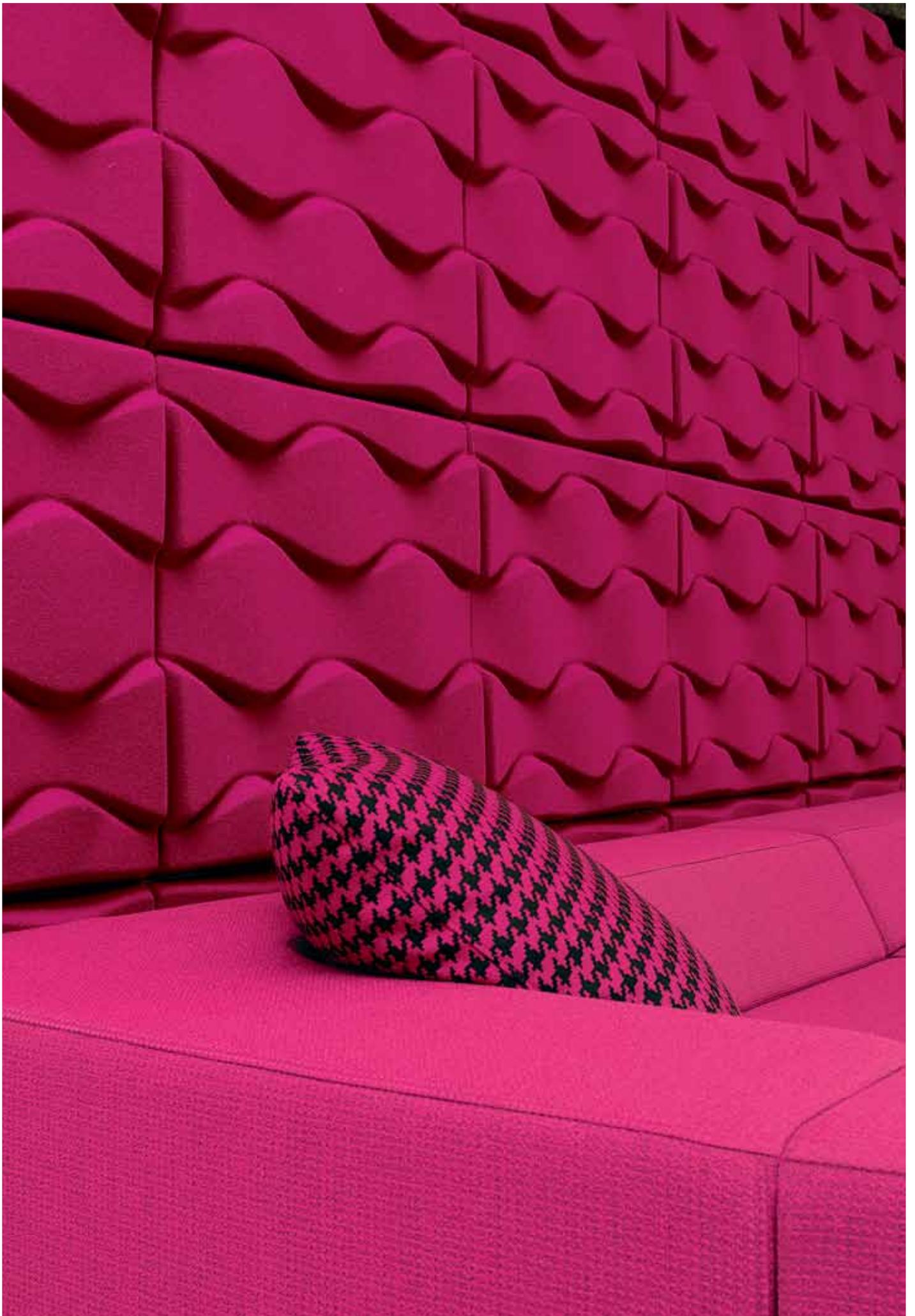
## *Collection*

Each panel in the SOUNDWAVE<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> Flo can be produced to meet the requirements of the Nordic Swan ecolabel.

*Material:* Recyclable moulded polyester fibre.

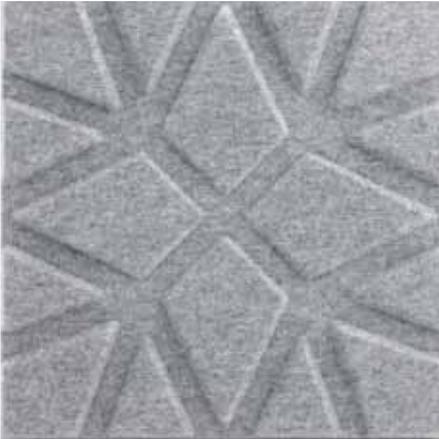
*Colours:* All colours available (see page 30 for more information).





# SOUNDWAVE<sup>®</sup> Geo

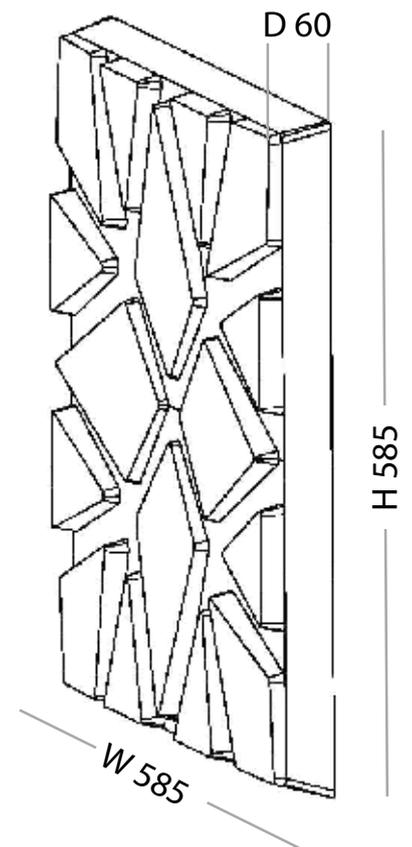
by Ineke Hans

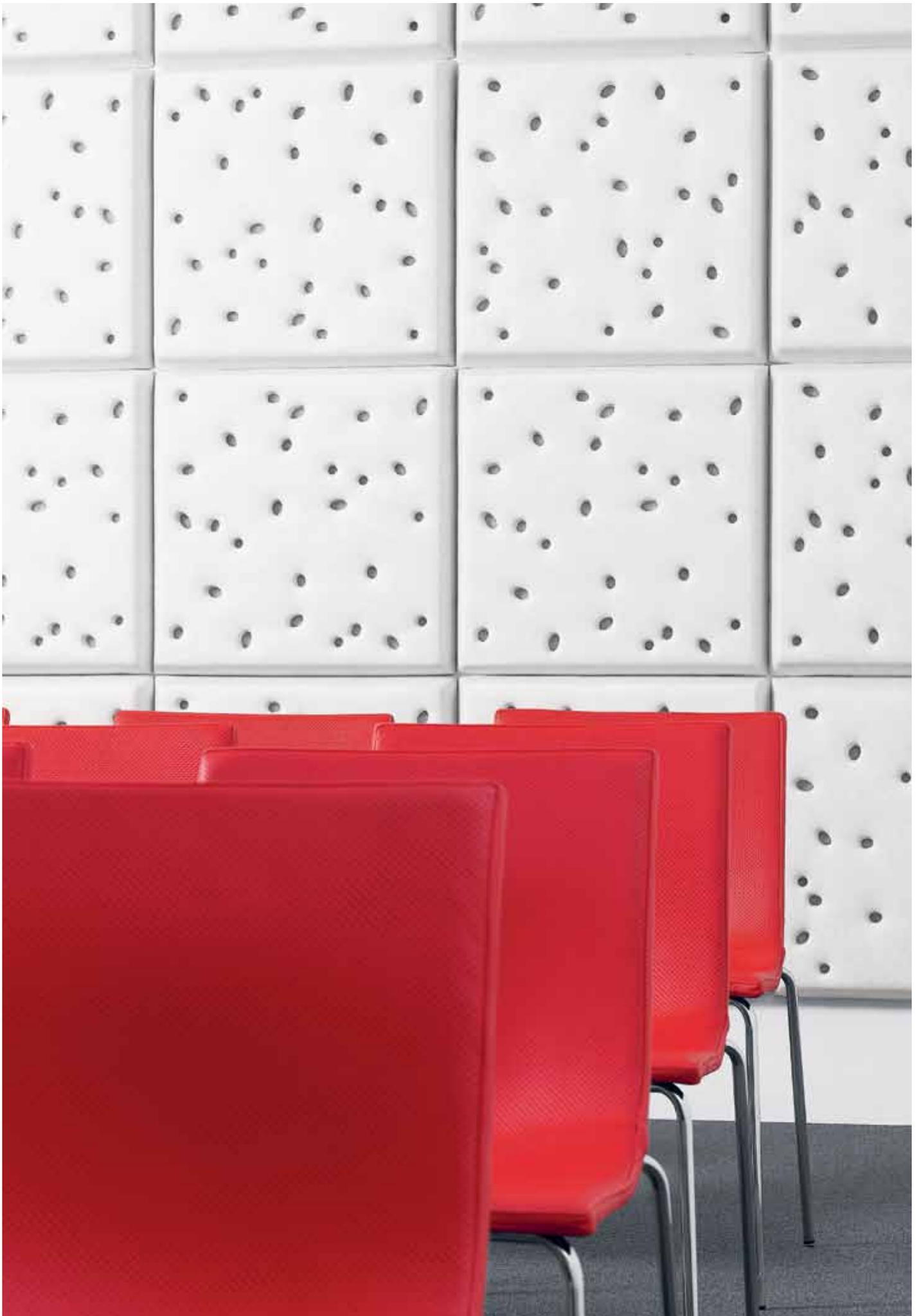


Geo is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc. SOUNDWAVE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

*Material:* Recyclable moulded polyester fibre.

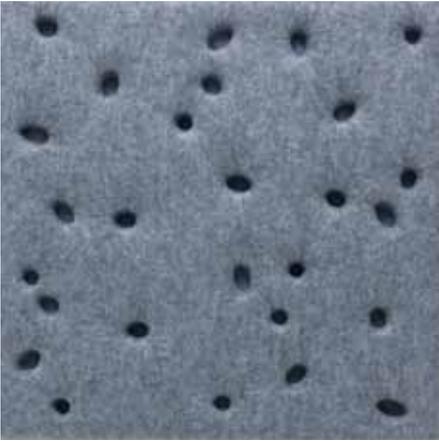
*Colours:* Off-white, grey and anthracite.





# *SOUNDWAVE<sup>®</sup> Luna*

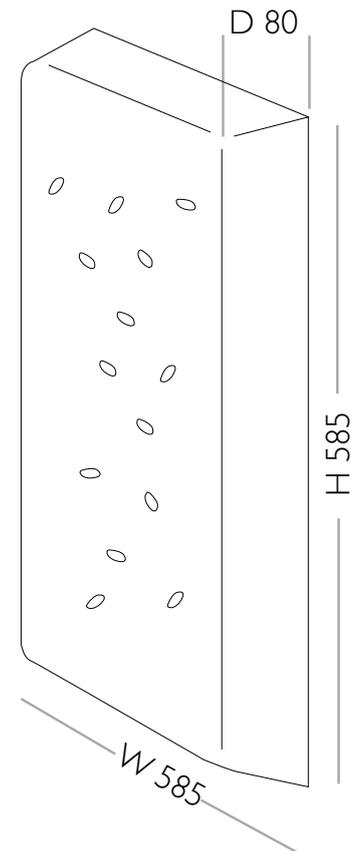
## *by Teppo Asikainen*

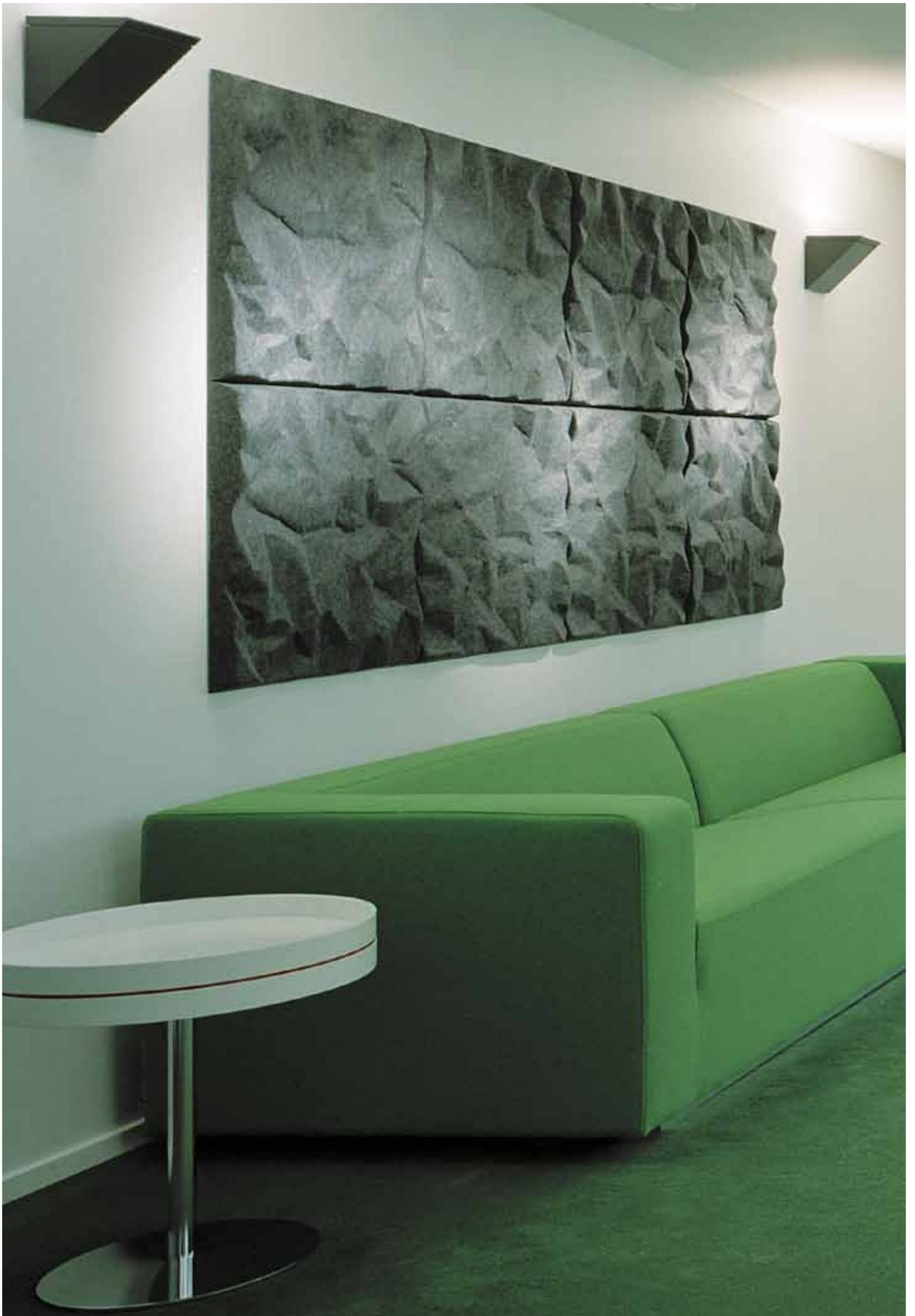


Luna is a heavyweight broadband absorber with extended efficiency in the low frequency range (150 Hz-500 Hz). These panels efficiently reduce the reverberation time (sound “bouncing around”) in a room.

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

*Colours:* Off-white and grey.





# *SOUNDWAVE<sup>®</sup> Scrunch*

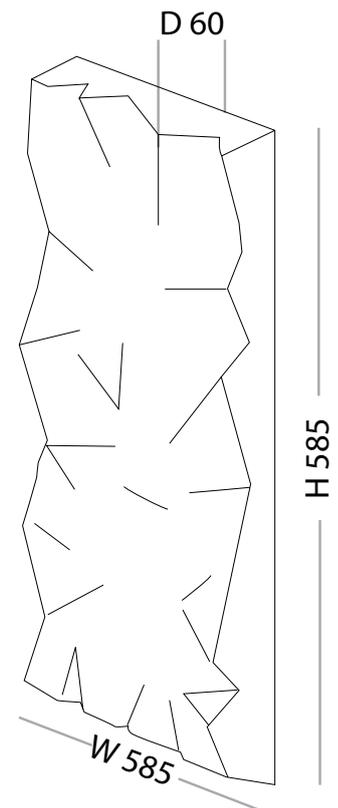
## *by Teppo Asikainen*



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<sup>®</sup> Skyline*

## *by Marre Moerel*

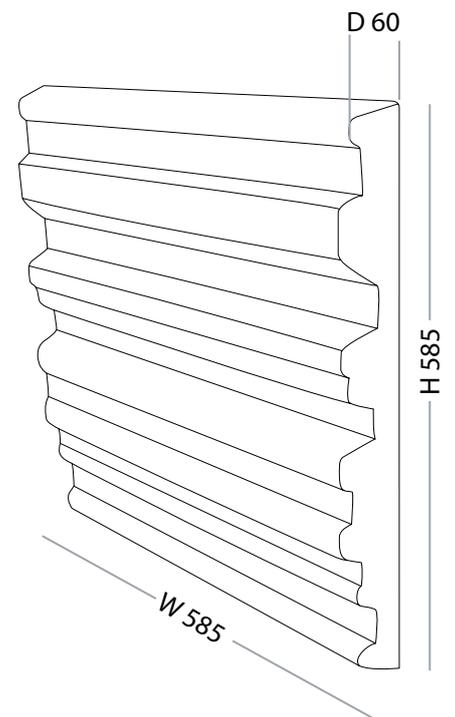


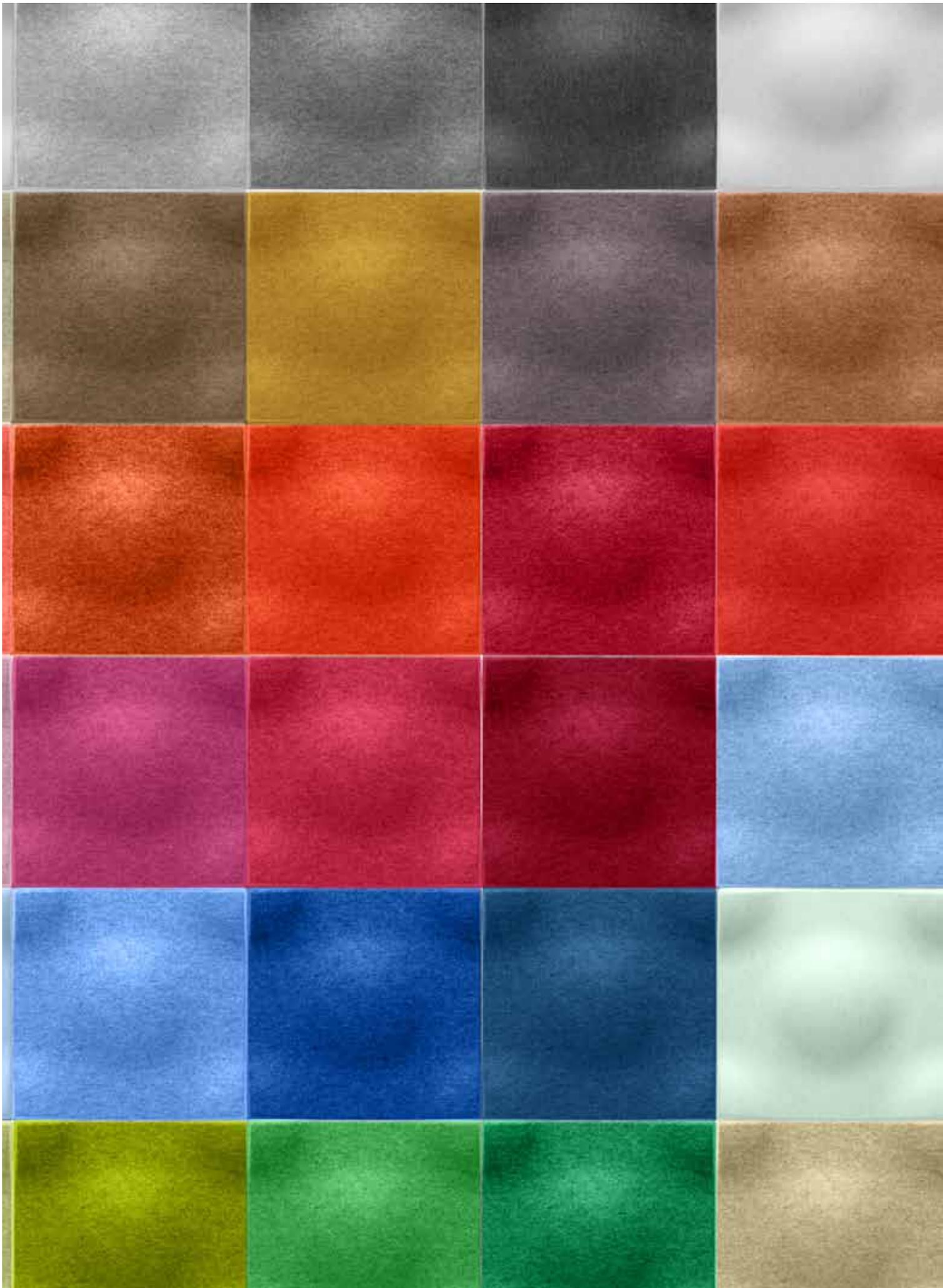
Skyline is a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds such as voices, telephones etc.

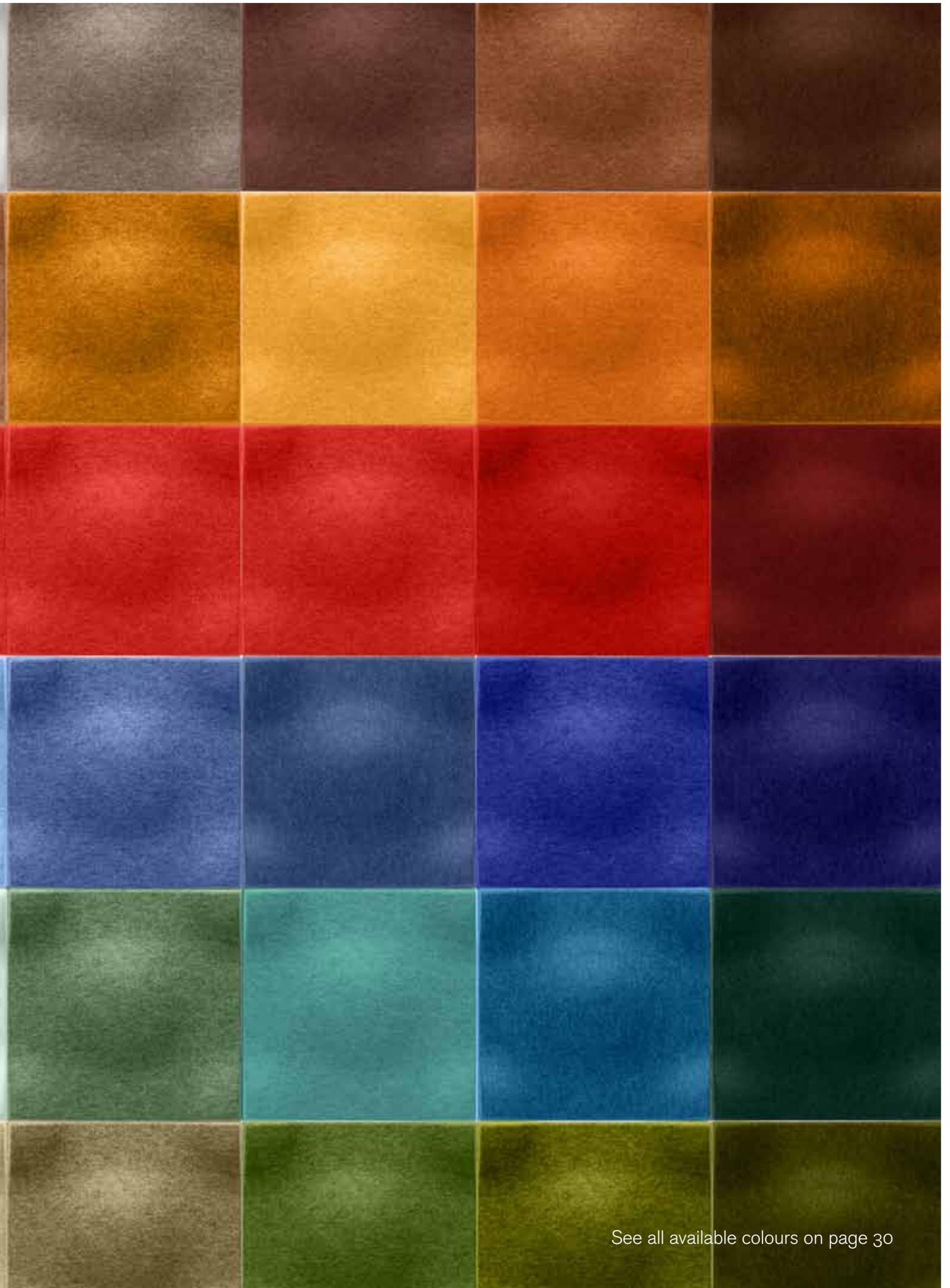
SOUNDWAVE<sup>®</sup> Skyline is certified by the Nordic Swan ecolabel.

*Material:* Recyclable moulded polyester fibre.

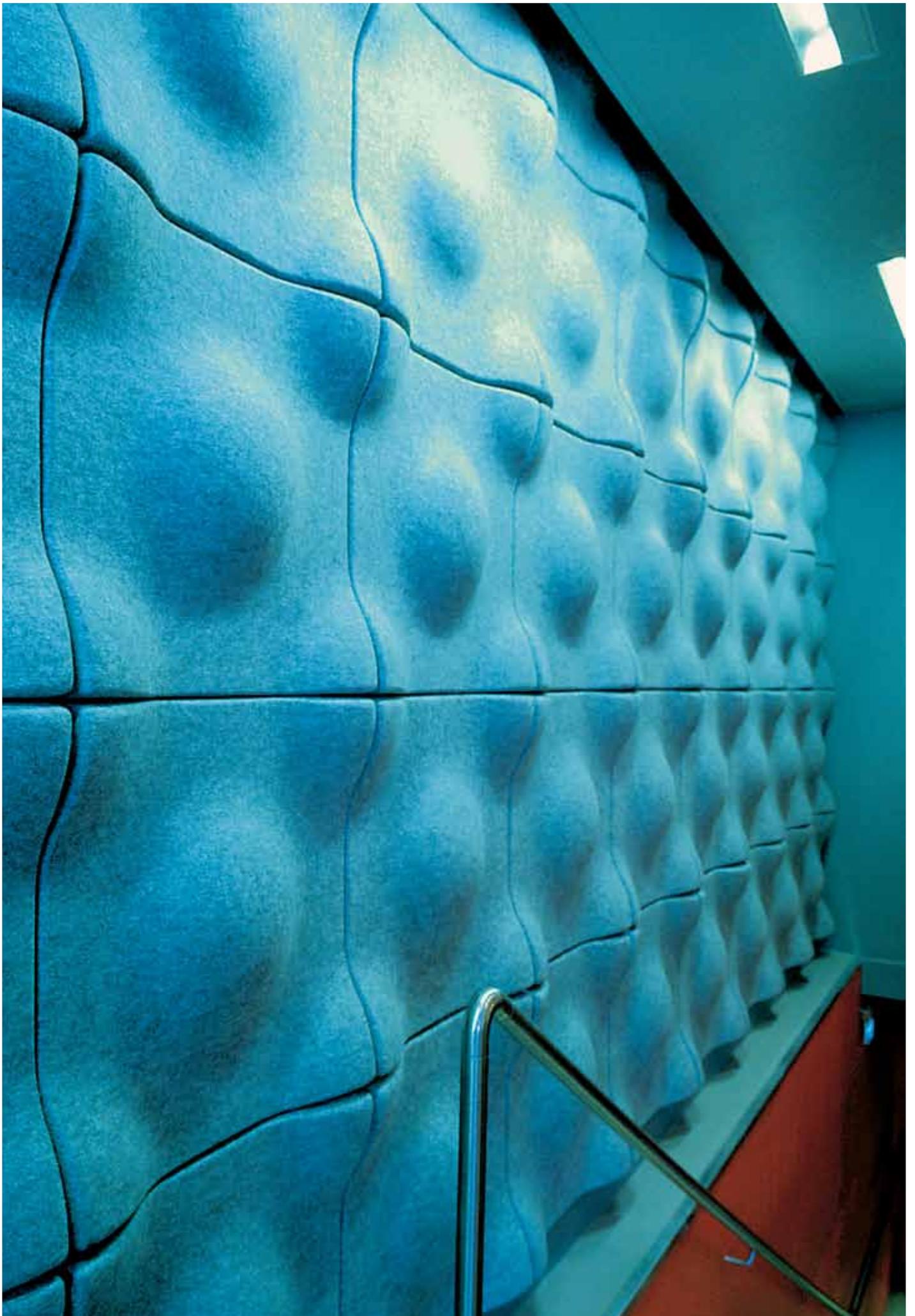
*Colours:* Off-white, grey and anthracite.







See all available colours on page 30



# SOUNDWAVE<sup>®</sup> Swell by Teppo Asikainen

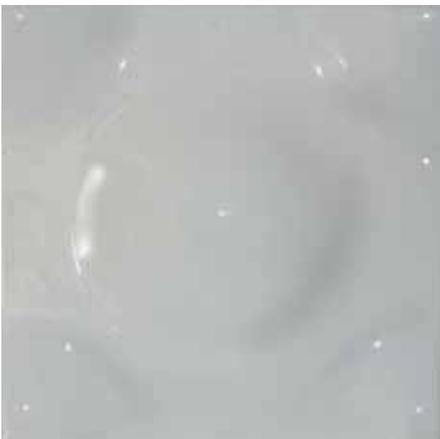


Swell is designed to be used as a lightweight sound absorber in the upper frequency range (500 Hz and above). These panels help reduce disturbing reflections of environmental sounds. SOUNDWAVE<sup>®</sup> Swell can be produced to meet the requirements of the Nordic Swan ecolabel.

*Material:* Recyclable moulded polyester fibre.

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

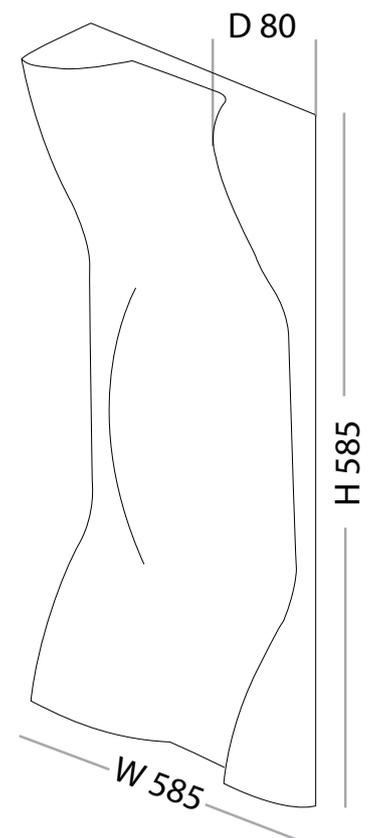
**Swell Diffuser**

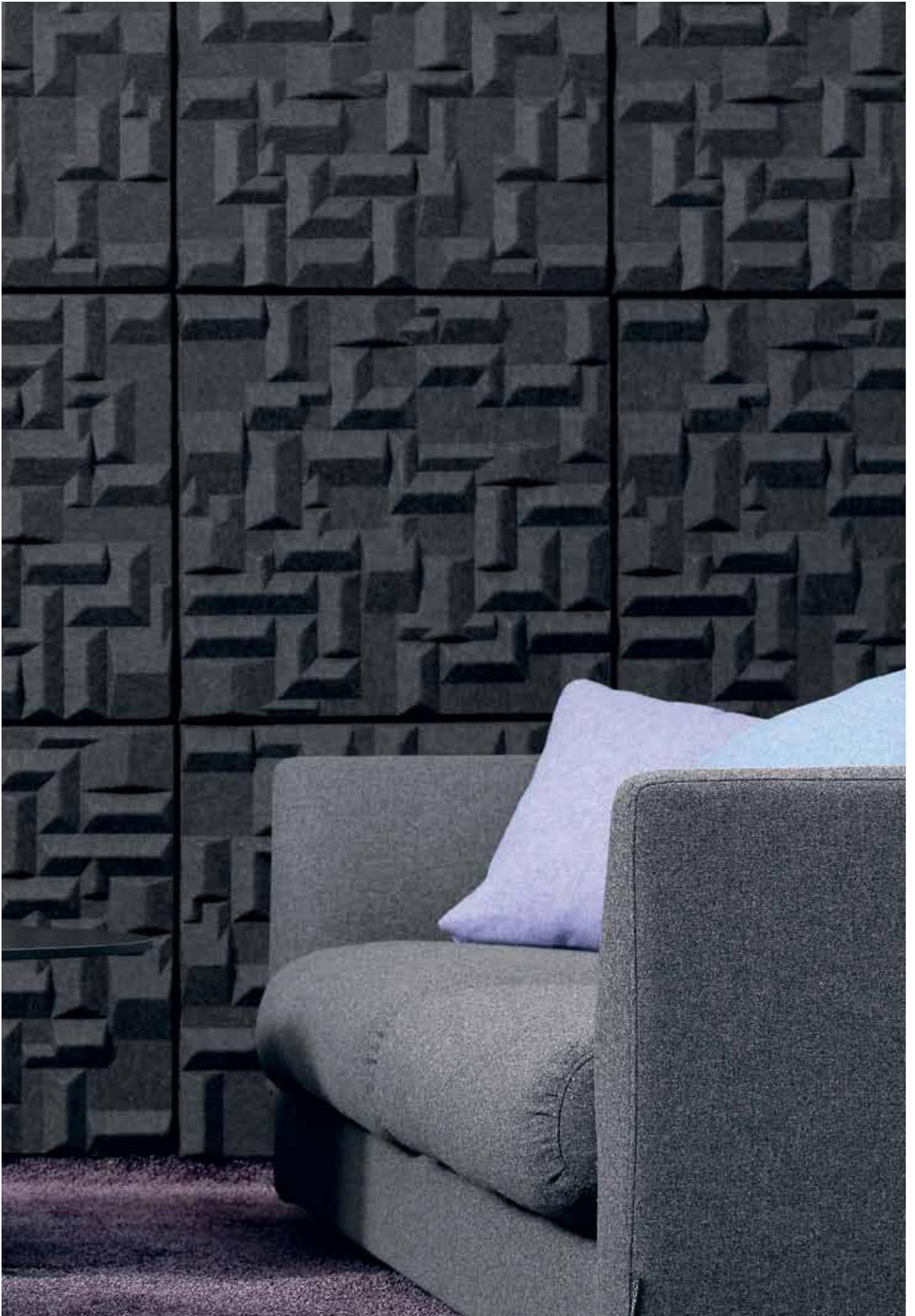


The panel provides sound diffusion rather than absorption. Correctly positioned, the diffuser panels will improve speech intelligibility and even improve privacy in open spaces as the speaker does not need to talk loudly in order to be heard.

*Material:* 100% PET.

*Colours:* Semi-transparent white.





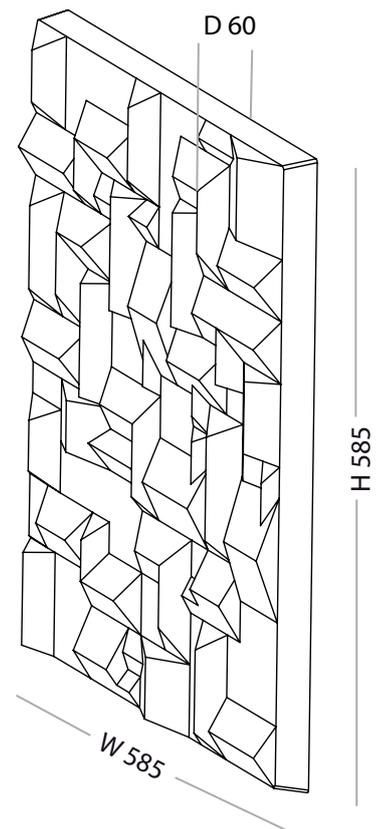
# *SOUNDWAVE<sup>®</sup> Village by Claesson Koivisto Rune*



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<sup>®</sup> Village is certified by the Nordic Swan ecolabel.

*Material:* Recyclable moulded polyester fibre.

*Colours:* Off-white, grey and anthracite.

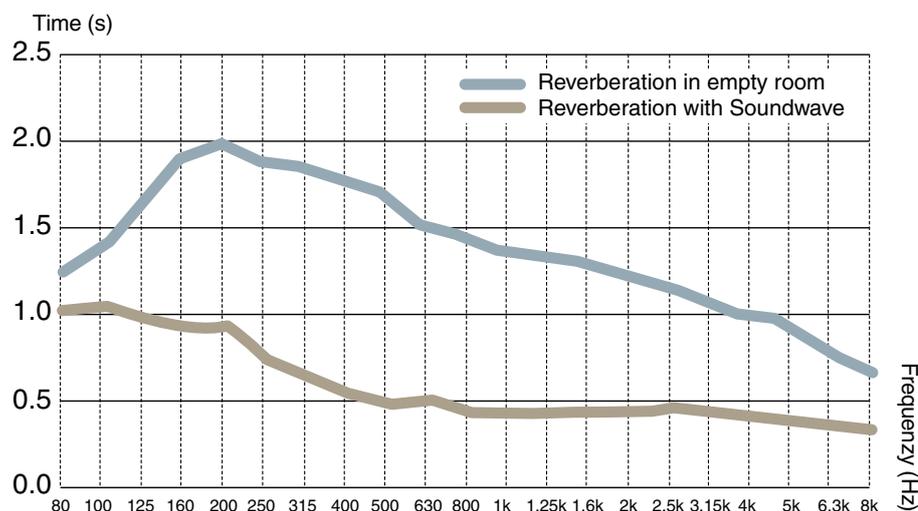


# Acoustic demonstration

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

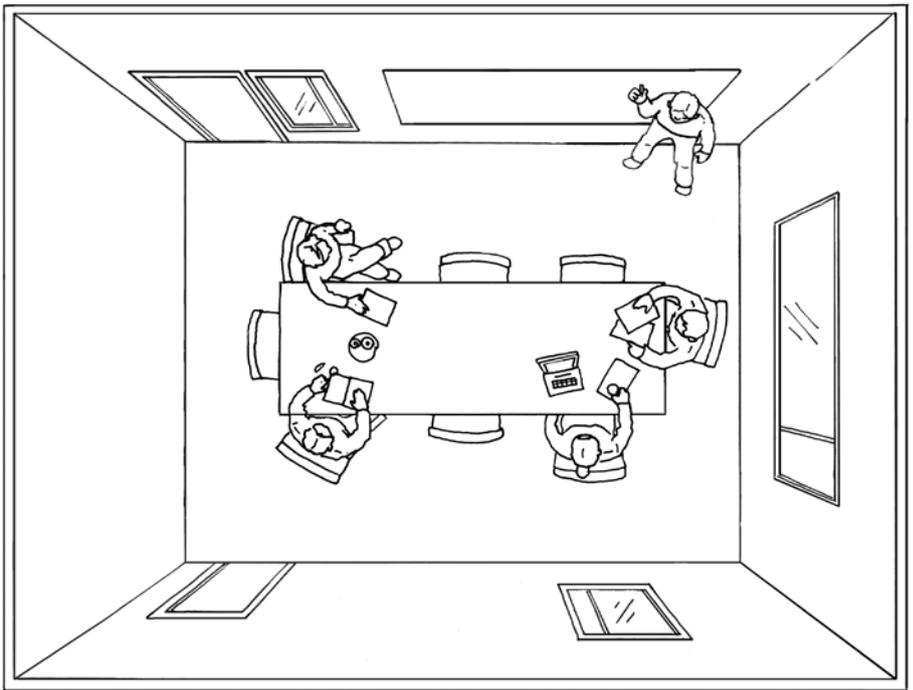
Reverberation time between 80 Hz-8kHz shown with and without SOUNDWAVE® panels.

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.

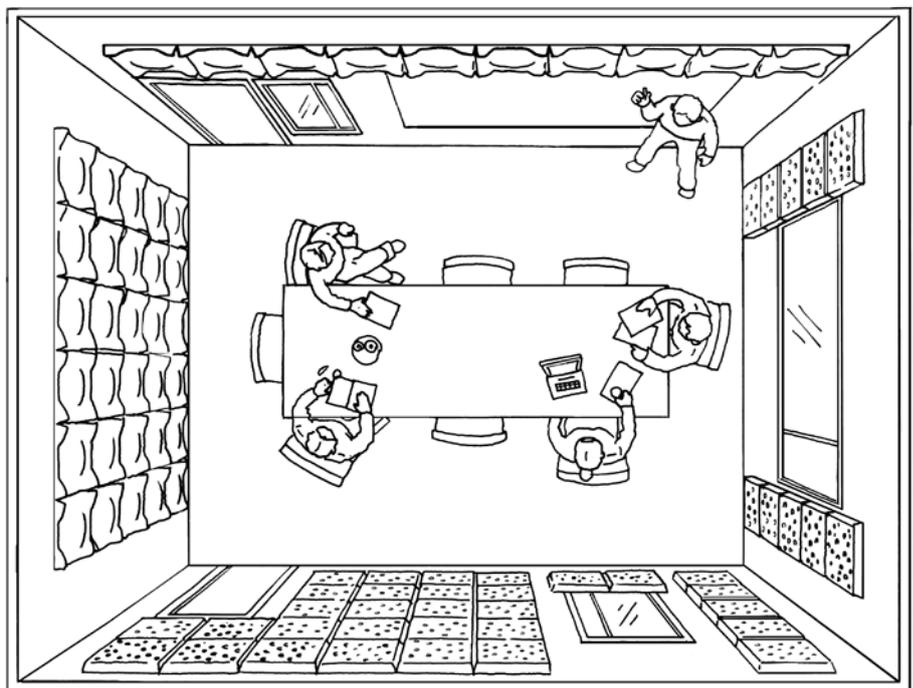
The measurements were made according to ISO standards. This means that an omnidirectional sound source (a special speaker) was placed in the room and noise was played at a specified level. After sometime the sound was suddenly stopped. The break activates a measuring device which records the process 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



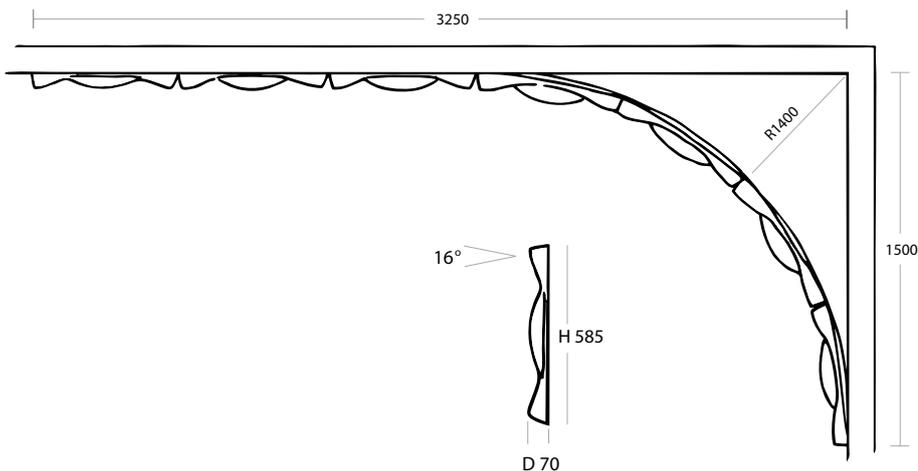
Conference room with acoustic insulation.

# SOUNDWAVE<sup>®</sup>

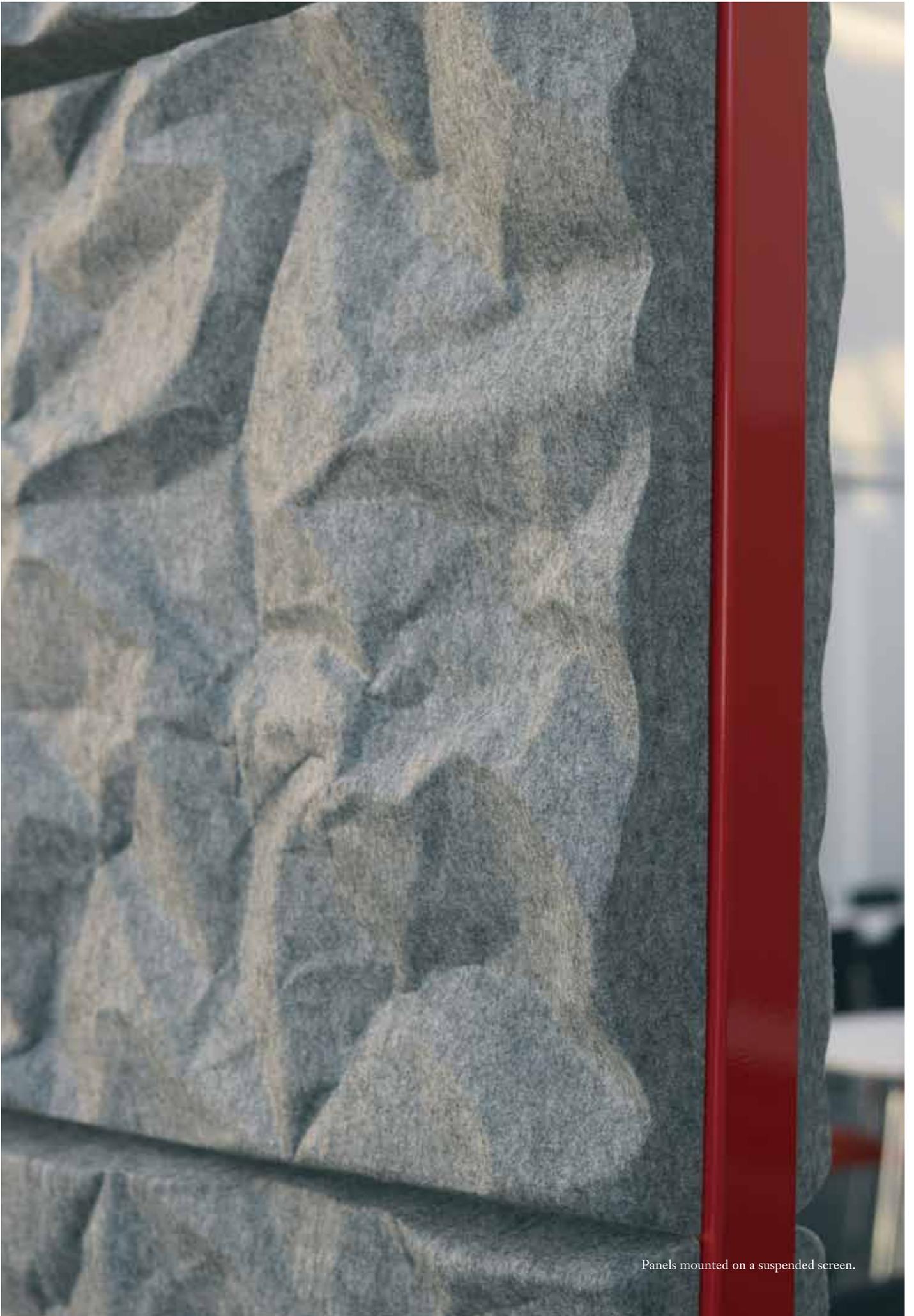
*in different environments*

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

The versatile SOUNDWAVE<sup>®</sup> 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.



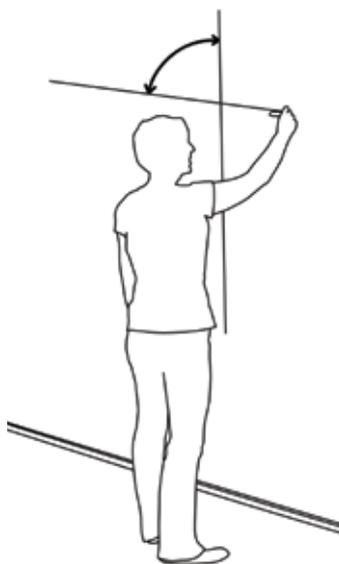
Minimum radius is R 1400. A flat surface is required for installation. For a rounded corner we suggest you make a simple construction with stripes of 585 x 5 mm plywood.



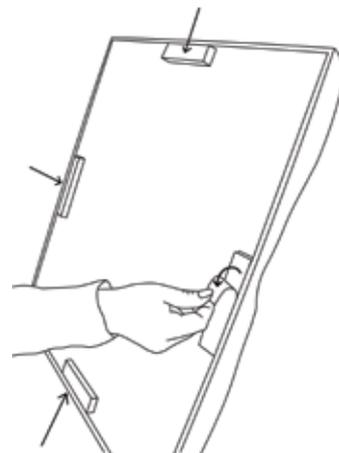
Panels mounted on a suspended screen.

# SOUNDWAVE<sup>®</sup>

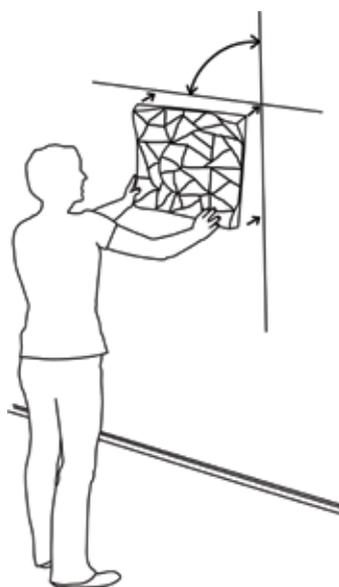
## *installation instructions*



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<sup>®</sup>

## *fire safety*



### *UK Conclusions*

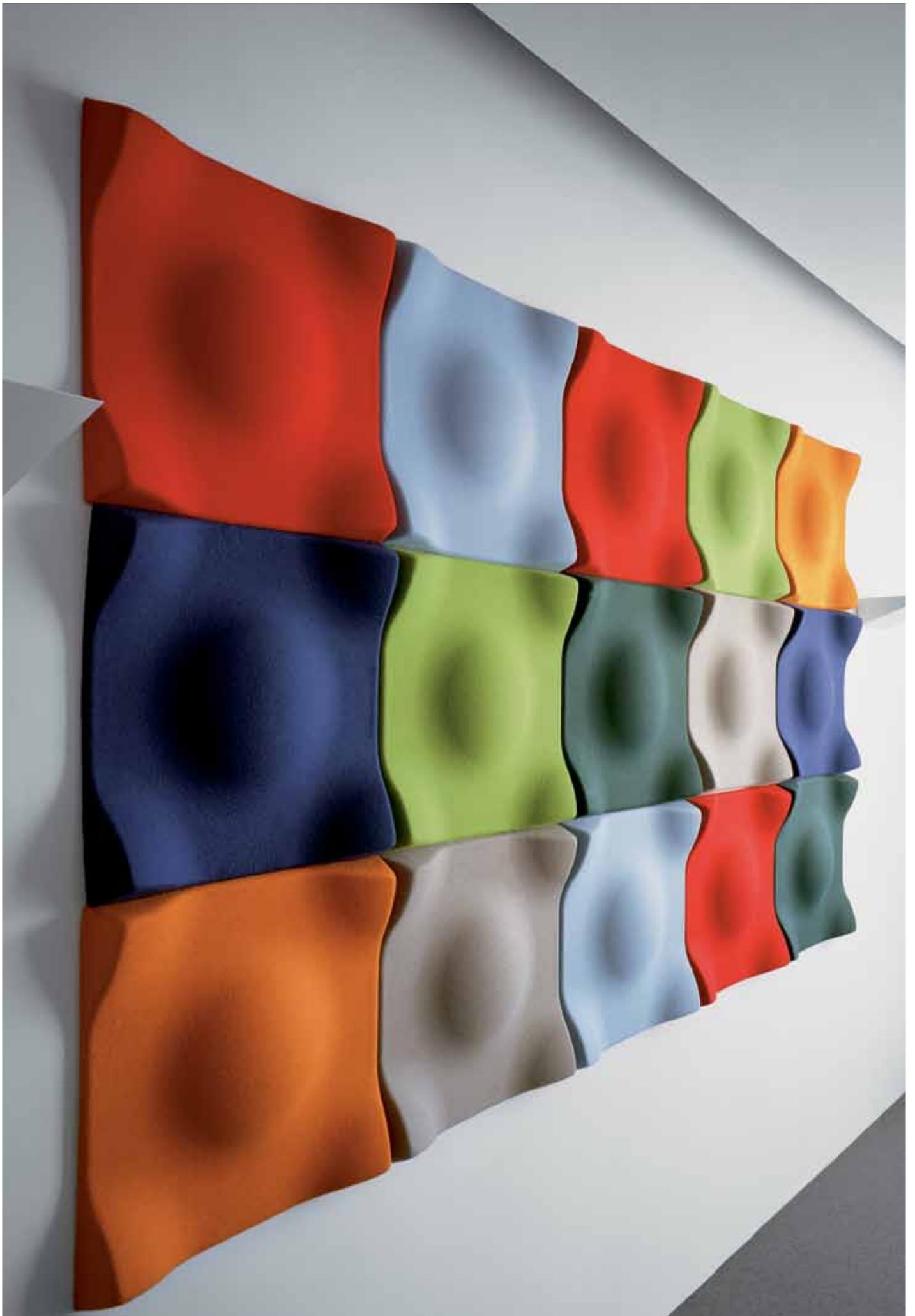
The SOUNDWAVE<sup>®</sup> panel has achieved a BS 476 part 7 Class 2 rating. The test data should be presented to the relevant building control authorities when requested, to support the application for the material's use.

### *Swedish Conclusions*

The SOUNDWAVE<sup>®</sup> 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<sup>®</sup> 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

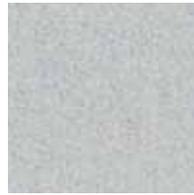
**Europost library** - all colours available for Flo, Scrunch and Swell.



60000



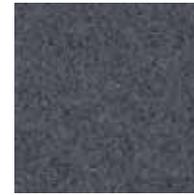
60003



60004



60016



60017



60029



60030



60999



61003



61004



61005



61020



61024



61025



61042



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62004



62020



63004



63005



63016



63020



63030



64003



64009



64035



64038



64045



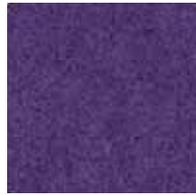
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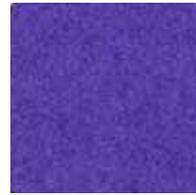
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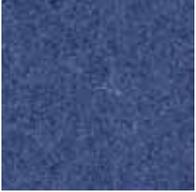
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65016



65040



66005



66006



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66047



66054



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66056



66057



67004



67016



67040



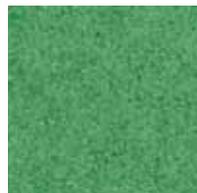
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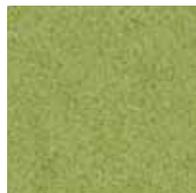
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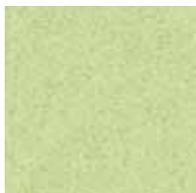
68039



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**  
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**BASIC**  
OFFECCT Design Studio



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Broberg & Ridderstråle



**BOND**  
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**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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