Soundwave® acoustic panels

Sound quality influence our creativity. Sound pollution spoils the atmosphere in a room, saps concentration, increases stress levels and adversely affects how we feel. This is a problem that is growing with the increasing tendency towards larger rooms and open-plan solutions.

When we first began producing the Soundwave acoustic panels in 2002, we were pioneers in the industry. Today, with greater insight into the importance of sound, we are a world-leading supplier of solutions that absorb, reduce and block disruptive sound. Soundwave® is a range of original designed panels, designed by world leading designers, each with its own story and shape. Its more than acoustic, the designed panels become a piece of art placed on the wall.

Soundwave panel Ceramic

Design by Thomas Sandell ;

The inspiration for Ceramic are tiles, a product of many qualities even though the contribution to a good acoustic environment is not one of them. When Thomas Sandell now interprets the architectural qualities of ceramic tiles to design, it is with the help of recycled polyester fibre, an environmentally friendly material whose qualities Offecct has successfully developed during many years in its collection Soundwave®.

”When working on Ceramic, I have tried to think more like an architect than a designer”, says Thomas Sandell who throughout his career has successfully managed to combine both professions. Instead of creating an acoustic panel that is expressive, which according to Sandell design often is, the ambition of Ceramic has been to develop a panel that can cover large surfaces – much in the same way as ceramics are used in architecture.

”I asked myself: ’what does an architect imagine an acoustic panel to look like and what functions should it inhabit?’” Thomas Sandell found the answer to the question as well as inspiration for Ceramic in one of his most recent architectural projects – a private house in the Stockholm Archipelago where ceramic tiles from a revered Dutch ceramics factory was used.

Soundwave panel Bella

design by the Danish architectural office 3XN.

The panel was designed for the Bella Sky Hotel in Copenhagen and fits well with 3XN's architectural project in its entirety.

"When we designed the Soundwave® Bella we were inspired by the very sharp character of the building itself with its absence of right angles. The reference to the building became even clearer when we decorated an entire wall of each conference room with Soundwave® Bella in white", says Kim Herforth Nielsen, founder of 3XN.

"The flexibility of the Soundwave® system allowed us to give each conference room a separate identity by having one square on each wall in a unique color in order to distinguish the different rooms", concludes Kim Herforth Nielsen

Soundwave panel Wicker

design by Gert Wingårdh and Erik Wikerstål

The origin of Wicker is a material with an expression and a set of characteristics which seems to be exact opposite of those of an acoustic panel: concrete. As architects of the ongoing renovation of Nationalmuseum in Stockholm, Gert Wingårdh and Erik Wikerstål not only have the responsibility to make sure that the prestigious 19th century building gets a climate that the art treasures will feel comfortable in, they also had to design an extension with a less prominent but very important function – the safety zone which the masterpieces for the exhibitions are taken through in to the museum.

The task gave the architect duo the possibility to use the full potential of pre-cast concrete to give the building both a strong and joyful expression. The result, facades with a woven pattern, carried deeper abilities that now have been refined in to a product in Offecct´s acoustic panel collection Soundwave®. The importance of good acoustics is something that Wingårdh and Wikerstål, who both have great experience of designing auditoriums and concert halls, are well acquainted with.

”What you want to do with sound is to send it in different directions”, explains Gert Wingårdh, ”And the woven pattern with its natural pockets has a nearly ideal shape for an absorbent.” With Soundwave® Wicker, Offecct initiates a long anticipated collaboration with architect Gert Wingårdh.

”Offecct has a long relationship with Gert Wingårdh and we have over the years worked together on projects. We instantly recognised the potential for an acoustic panel when we saw the facade during a recent visit to Nationalmuseum and at that moment it became evident that the time was ready to make our first product together.

Soundwave panel Botanic

designed by Spanish Mario Ruiz.

“I appreciate how the forest is everywhere in Scandinavia. The forest’s presence is so significant, that when I was commissioned to design a sound absorber that would be part of the Soundwave® project, I was inspired by tree branches. And this is what lies behind the final form: abstract and structural movements inspired by the natural vegetation”, says Mario Ruiz.

“I am very pleased with the final result, and how these structures change depending on whether the panels are placed vertically or horizontally”, continues Mario Ruiz

Soundwave panel Flo

Design by Karim Rashid

Creating Flo, Karim Rashid was inspired by sound waves and digital data. Rashid believs that people today live in a very digital world mentally. We need to catch up with experiental design in the physical world to create a balance.

"Through dimension, material, color, code, pattern, texture, line, solid, plane composition I can manifest the digits of binary notation and sound waves to communicate a new itinerant form of super-functional decoration that is current and aesthetic with our new sensual world – let your world flo." /Karim Rashid

The Flo panels can be set continuously or broken in different ways. Placed horizontally the pattern conveys a sense of water and vertically it could be described as light waves.

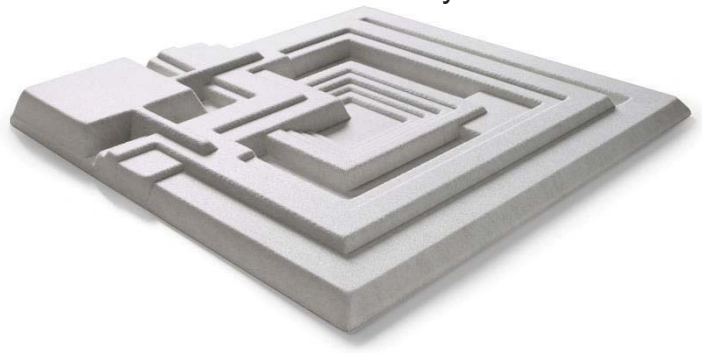
Soundwave edition Ennis

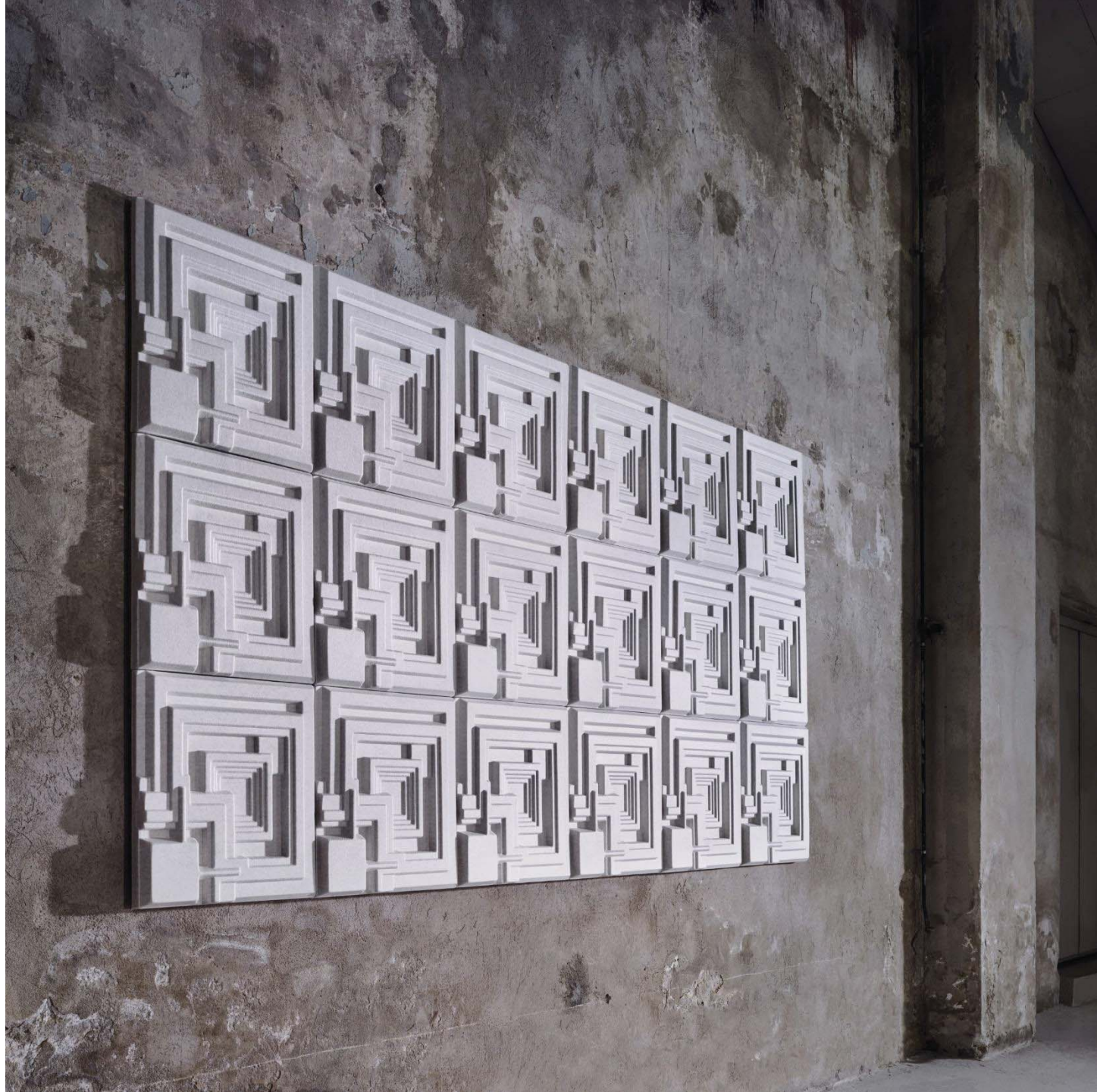
Original design from 1923 by Frank Lloyd Wright

Frank Lloyd Wright’s mesmerizing pattern for the concrete blocks used to build the Ennis House, the last remaining textile block house, has served as futuristic backdrop in movies and made an imprint in history books.

”The Ennis block pattern is not only beautiful, it’s geometry also inhabits the potential to absorb sound. By keeping Wright’s design intact but transferring it from concrete which lacks acoustic properties to our felt material, it becomes a high performing acoustic panel”, says Anders Englund, Design Manager at Offecct.

Frank Lloyd Wright (1867-1959) was an American architect widely recognised for creating the first domestic American architectural style, referred to as the Prairie Style. Wright believed we all have the right to live a beautiful life regardless of economic or social status and in his work he pioneered the open floor plan, championed new building techniques and cultivated a tradition for the use of natural and local materials. Wright considered a buildings interior as important as its exterior, designing everything from furniture to graphics, and by doing so started the tradition of the multidisciplinary architect office which is common practice today. Landmark buildings that have become subject to world wide pilgrimage for generations of architects, such as Falling Water (1935) and the Solomon R. Guggenheim Museum (1956), further establishes Wright as one of the greatest architects of the twentieth century





Soundwave panel Geo

designed by the well-known Dutch furniture designer Ineke Hans.

Ineke Hans views Soundwave® Geo as a three-dimensional wall decoration similar to the ones which people have always created around the world. The difference is that Geo has a clear function due to its sound-absorbing purpose.

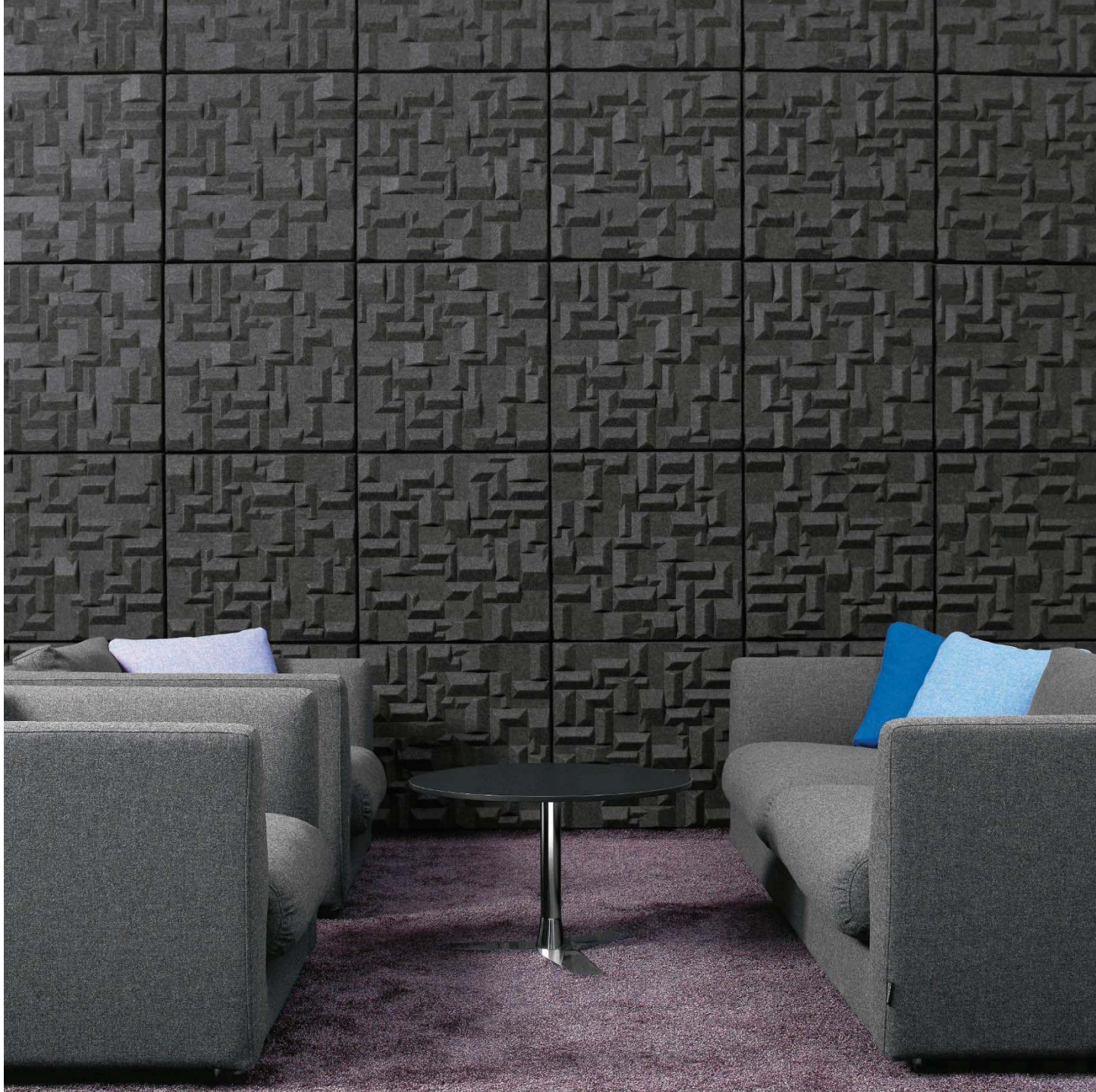
“People have always wanted to decorate their walls – everywhere and in every era. But we designers have a tendency to pare away the decorative aspect. I wanted to combine Offecct’s sound panels made of felt with a geometric pattern that is decorative but can also function on the large scale with many panels in rows without looking too cluttered. Quite simply, a combination of tradition and modern design,” says Ineke Hans.

Soundwave panel Village

designed by Claesson Koivisto Rune.

Soundwave® Village is a successful pairing of architecture and design. It has a complicated geometry, in which the sound-absorbent properties have determined the pattern. The Claesson Koivisto Rune and Offecct design team applied acoustics principles to tweak and twist the intricate pattern to achieve the optimal sound absorbency. The pattern of the panel can be described as a view of the roofs of small buildings, thereof the name. The pattern can also be experienced as an abstract—the observer does not have to perceive the building pattern. The panels can be used individually or combined to form a whole wall. All panels absorb weak sounds in the upper frequencies (500 Hz and above). They are perfect for eliminating disturbing reflected sound from voices in office landscapes, telephone conversations, and computer noise, and can be used to improve the sound levels in settings like restaurants.

“The facets and trapezoid shapes make the sound rebound at a 45-degree angle. After we had worked on the pattern for a while, we realized it looked like the roofs on a lot of small buildings. To get the right feeling, we looked at aerial photographs of very dense urban areas. The Forbidden City in Beijing, where the spaces between buildings can be extremely narrow, was one source of inspiration.” /Eero Koivisto.



Soundwave panel PIX

designed by the French designer Jean-Marie Massaud.

Soundwave® Pix provides architects with the possibility to create unique rooms by offering the option to combine colors and forms in different ways. Soundwave® Pix complements the sound absorbing function with the potential of esthetic variation in terms of the color and form options.

The design of Pix in itself is a reminder of keys on a keyboard, and radiates a sense of recognition that also surprises.

”Soundwave® Pix offer architects the possibility to combine many different parts that together creates an entirety and I look forward to seeing architects and interior designers throughout the world use Pix to create innovative interiors”, says Jean-Marie Massaud.

Soundwave panel Luna

Soundwave® Luna is designed by Teppo Asikainen.

Luna is one of the first acoustic panels in the successful Soundwave® series. Its designed to absorb sound in the lower frequencies.

Soundwave panel Stripes

a sound absorbent designed by Richard Hutten.

Hutten’s design of Stripes is characterized by flexibility; a flexibility that means that Soundwave® Stripes can be combined in many different ways. This in turn means that each interior where Stripes is used can become unique. The diversity that Stripes offers thereby becomes a useful tool to create interesting and varied interiors.

”Offecct’s sound absorbents are by far the best on the market and I really wanted to add something special to the collection”, says Richard Hutten.

Soundwave panel Scrunch

designed by Teppo Asikainen

The inspiration for the pattern of Scrunch comes from a creased paper.

Sound and acoustics are two of the most important and most overlooked factors when it comes to creating the right atmosphere for interaction in areas where people communicate and socialize. The combination of form and function in Soundwave® does not only give the panels a great appearance, but also serves the function of absorbing and reflecting sound.

Soundwave panel Sky

designed by Marre Moerel

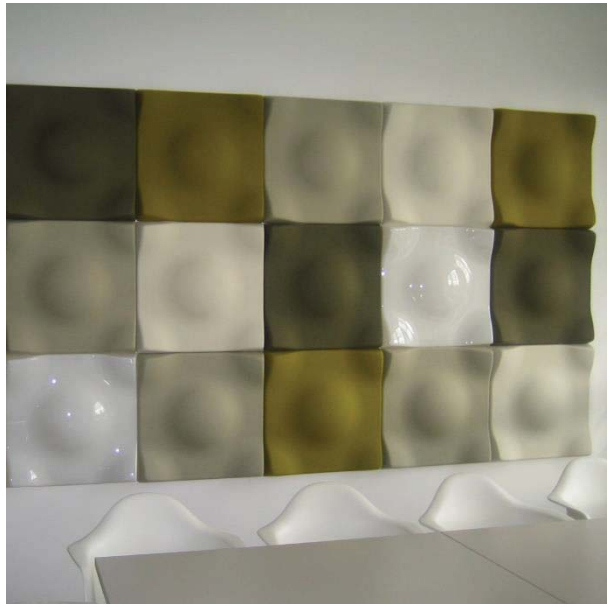
who got the inspiration for the sound absorbing panel from the silhouette of cities, in particular that of New York, but the pattern can also be seen as an abstraction of nature. The panels have a regular, rectangular form. When placed horizontally a straight line is formed at the top which is then broken into slightly angled horizontal lines. The pattern reflects New York's grid of streets and can also be seen as an enormous mountain range from a bird's eye view. Vertically the pattern is transformed into skyscrapers or primeval rock formations. The sound absorbing effect can be varied depending on how the panel is mounted. Vertically placed Sky reflects the sound back and forth. Horizontally place it instead absorbed the sound.

"I have spent a lot of time in New York, and in cities like that everything is about sound and noise and about how the inhabitants can reach through that barrier of sound. That is why I felt so motivated to start developing a personally designed panel when Offecct gave me the possibility", says Marre Morel.

Soundwave panel Swell

Soundwave® Swell was one of the first panels launched by Offecct. Its core values lies in its function, and Teppo Asikainen refused to compromise with the look. The piece has a very strong personality and acts as a kind of 3D wallpaper giving the room the right aesthetic feeling and acoustic at the same time.

Soundwave® Swell Diffuser 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.



Soundwave Wall

design by Christophe Pillet

Soundwave® Wall is the largest acoustic panel made by Offecct to date, it is built upon the existing standard measures set by Offecct's successful acoustic panels collection Soundwave®.

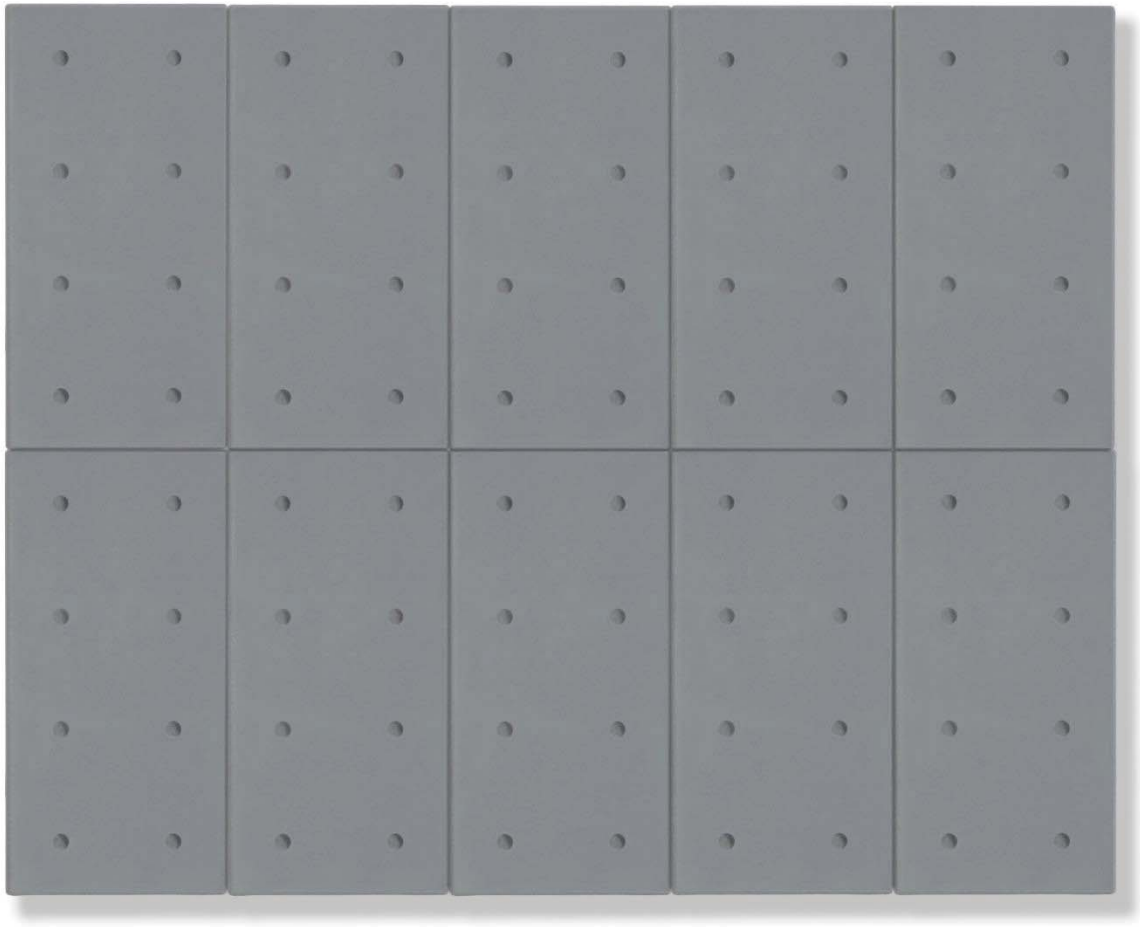
"Soundwave® Wall stretches from floor to ceiling, it's a panel that is a part of the architecture in a building, like a pre-fabricated partition wall. I drew my inspiration from the way some interiors are made in Japanese homes, with walls constructed by long wooden sticks put in a row. In these constructions the contrast between light and shadow forms a beautiful continuous wave which makes the wall naturally substantial", explains Christophe Pillet.

Soundwave Ando

design by Daniel Svahn

To give one material a new expression with a different meaning and function creates excitement. With the look and a sound absorbing material, a combination of recycled textile, the eye will experience Soundwave® Ando as a concrete block.

”The concrete block has been transformed from a hard material with sound reflecting proporties to a soft absorbing surface. To play with surfaces like this will create interesting environments for meetings to take place in”, says Daniel Svahn.



Witteveen Projectinrichting
Ouderkerk a/d Amstel
Tel: 020 - 496 5030
info@witteveen.nl
www.scheidingswand.net
www.project-inrichting.nl