

Ecophon Akusto™

Explore the variety of the vertical



Ecophon®
SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE



Bring the outdoors in to enhance wellbeing and performance

Over hundreds of thousands of years, our ears have evolved to provide perfect hearing outdoors, in nature. But today most of us spend up to 90 per cent of our time indoors, in closed environments not suitable for the human ear. For more than 50 years Ecophon has been on a mission to spread awareness of the importance of creating indoor environments that resemble what we experience in nature.

Ecophon provides innovative sound-absorbing systems that make it possible to achieve indoor acoustic comfort, helping people to work, learn, heal and relax.

Pleasing to the eye, the ear and the mind

Ecophon focuses on pleasing the ear, but understands that to satisfy the mind, we also have to please the eye with inspiring design. For this reason, we offer a complete collection of acoustic ceilings, free-hanging units and wall applications, which all give you the opportunity to create the atmosphere you desire.

Ecophon - A sound effect on people

This publication shows products from Ecophon's product range and those of other suppliers. The specifications are intended to provide a general guide to which products are most suitable for the preferences indicated. Technical data is based on results obtained under typical testing conditions or long experience in normal conditions. The specified functions and properties for products and systems are only valid on condition that instructions, installation diagrams, installation guides, maintenance instructions and other stated conditions and recommendations have been taken into consideration and followed. Deviation from this, such as changing specific components or products, will mean that Ecophon cannot be held responsible for the function, consequences and properties of the products. All descriptions, illustrations and dimensions contained in this brochure represent general information and shall not form part of any contract. Ecophon reserves the right to change products without prior notice. We disclaim any liability for misprints. For the latest information go to www.ecophon.com or contact your nearest Ecophon representative.

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Sounds like a winning concept

Ecophon wall applications

Everything starts with human interaction. We humans need to talk, to discuss and to have a good time. That's how we move things forward, that's how development happens, step by step. And this would all be great, if it weren't for all those hard walls, floors and ceilings surrounding us, bouncing sound back and forth, amplifying talk into chatter, discussions into noise.

Our well-known ceiling systems and free-hanging units have become the basic recipe for a good acoustic environment. A natural complement is Ecophon Akusto™, a range of innovative, highly effective and visually appealing wall absorbers. With Ecophon Akusto™, it is easy to create workplaces where people feel good and can perform at their very best.

When developing the Akusto range, the well-known Swedish designer

Maria Westerberg

contributed to a new contemporary colour scheme and a creative showcase wall for Ecophon Akusto™ One SQ. She is also the installer in the launch film.





Sounds like a plan for success

In open-plan offices, it's important to stop speech and sound from spreading and minimise disturbance to co-workers. In schools, students need a good learning environment to hear the teacher and each other, and to be able to think and reflect. In healthcare centres, care receivers need peace to rest and recover, while the staff must be able to communicate.

To meet all these varying needs, Ecophon has developed Activity Based Acoustic Design. By defining an indoor environment from three perspectives, you will find the optimal solution where all perspectives benefit. The solution is then implemented using a combination of high-quality acoustic elements: sound-absorbing ceilings to reduce sound levels and sound propagation, and wall absorbers to reduce echoes and enhance speech clarity.

1 Activity

What will people be doing in the space? Will they be on the phone, doing team work, focusing in front of the computer or something else? How much time is spent communicating?

2 People

Who are the people that will perform the activity? Are they many or few, old or young? Do they have any special needs?

3 Space

Is the space big or small? Where is it situated in the building, what spaces are next to it and what activities are performed there? Does the building have bare concrete walls, ceilings and floors? Are there fans, projectors or other sound sources in the space?



Photographer: Teddy Strandqvist/Studio.se



Photographer: Hans Georg Eich



A solution for every application

As a complement to acoustic ceilings, Ecophon Akusto™ enhances the acoustic solution and allows you to create the best possible acoustic comfort. When using wall absorbers, Ecophon recommends that you cover the walls to the equivalent of 20 per cent of the floor area. To prevent echoes from sound bouncing between opposite walls, and to achieve optimum benefits, the absorbers should be placed on two adjacent walls.

Office

In open-plan offices Ecophon Akusto™ is ideal for reducing echoes and enhancing speech clarity. Place the absorbers close to the sound and centred at the height of the sound. For instance, at 1.2 metres where people sit, and at 1.6 metres where most people stand. To achieve optimum conditions, absorbers should be placed on two adjacent walls.

Education

In a classroom you need to create conditions suitable for both teacher-led classes and group work. To do this you need to place the wall absorbers on two adjacent walls so they can absorb sound moving in all directions.

Healthcare

Ecophon Akusto™ can be used to keep sound from spreading, to minimise echoes and to enhance speech clarity. All of this is very important in healthcare facilities. Place them close to loud noises, close to areas where communication takes place, and on adjacent walls.

Demanding conditions

In sports halls and similar spaces, there is a need for a lot of absorption and impact resistance. Ecophon Akusto™ Wall C with the Super G™ surface meets these requirements.



Sounds like a work of art

The Ecophon Akusto™ range comprises two different models of wall absorbers, both of them with excellent acoustic properties. Characteristic of the wall absorbers is the focus on both design and flexibility. It's easy to combine the different sizes, shapes and colours to create the desired atmosphere.

Ecophon Akusto™ Wall

Ecophon Akusto™ Wall is preferable to use when you need to cover larger areas. These wall panels are 40 mm deep and available in two models with different edges, widths and mounting options.

Ecophon Akusto™ Wall A has a natural edge. When the absorbers are mounted next to each other, profiles should be placed between the panels to hide the edges. Ecophon Akusto™ Wall C has edges covered with the front surface finish. This creates a stylish connection when several are mounted next to each other. With Connect Structure Profile you can create fields of colours and patterns, both vertically and horizontally.

Ecophon Akusto™ One SQ

Ecophon Akusto™ One SQ is a series of flexible absorbers with smaller dimensions, all 40 mm deep. Create innovative designs and patterns on the wall, and vary with white or grey painted edges. They can also be mounted with a specially designed, textured button, available in several colours.



Sounds like a dream to install

The Ecophon Akusto™ range is made from high density glass wool. This material is both lightweight and very robust, making installation simple and effortless. The innovative Connect™ accessories enable the wall absorbers to be mounted with a perfect fit and in many different ways. As Ecophon Akusto™ is designed for flexible placement, the creative ways to arrange them are almost endless.

Installation of Ecophon Akusto™ One SQ

Connect One Trim is a metal trim screwed to the wall with cut-out V-form ends. They act as holders for two Connect Absorber Anchor One, screwed into the back of the panel.

Connect One Fixing is a holder screwed to the wall. A hole is drilled in the panel which is then threaded onto the holder. The panel is secured with a specially designed, textured button, available in several colours.

Connect One Hook Fixing is a metal plate with two hooks. The plate is screwed to the wall and the panel is pressed onto the hooks. For larger panels, squares and rectangles, we recommend two hooks per panel.

Installation of Ecophon Akusto™ Wall

Connect Thinline Profile is an elegant solution made of aluminium. It is primarily used with Ecophon Akusto™ Wall C, but can also be used with single mounted Ecophon Akusto™ Wall A. Connect Thinline Profile can be used in combination with Connect Structure Profile. This allows you to create fields of colours and patterns both vertically and horizontally.

Connect WP Profile is a strong profile made of extruded aluminium. It is primarily used with Ecophon Akusto™ Wall C, and is the recommended profile for use with the Super G™ surface.

Connect Channel Trim is an easy and functional solution for Ecophon Akusto™ Wall A. Use Connect T24 Main Runners or Connect Recessed Profiles between the panels. Using the recessed profile also gives you the opportunity to add shelves and use the installation as a bookcase.



Ecophon Akusto™ One SQ
Connect One Fixing

Photographer: Richard Johansson/Studio.se



Ecophon Akusto™ Wall C
Connect WP Profile

Illustrator: Charl AB



Ecophon Akusto™ Wall C
Connect Structure Profile

Photographer: Studio.se



Ecophon Akusto™ Wall
Connect Thinline Profile

Illustrator: Charl AB



Ecophon Akusto™ Wall
Connect Channel Trim

Illustrator: Charl AB

Ecophon Akusto™ overview

Shape	Product	Size, (mm)	Installation methods							Surface			
			Connect Thinline Profile	Connect WP Profile	Connect Channel Trim	Connect Recessed Profile	Connect Structure Profile	Connect One Trim	Connect One Hook Fixing	Connect One Fixing	Akutex FT	Texona	Super G
	Ecophon Akusto™ Wall A	2700x1200x40	•		•	•					•	•	•
	Ecophon Akusto™ Wall C	2700x600x40	•	•			•				•	•	•
	Ecophon Akusto™ One SQ	600x600x40*						•	•	•	•	•	
	Ecophon Akusto™ One SQ	1200x300x40*						•	•	•	•	•	
	Ecophon Akusto™ One SQ	1200x600x40*						•	•	•	•	•	
	Ecophon Akusto™ One SQ	Ø 600x40*						•	•	•	•	•	
		Ø 800x40*						•	•	•	•	•	
		Ø 1200x40*						•	•	•	•	•	

* Dimensions include 4 mm space surrounding each panel.



Ecophon Akusto™ panels contribute to a healthy indoor environment with naturally low VOC emissions, as they do not contain any added formaldehyde or masking agents. As a result, all Akusto Wall with 3rd generation glass wool comply with the most stringent regulations and certifications in the construction product market - the California Emission Regulation standard and French VOC A+. More product information such as sustainability documentation, technical properties and installation assistance and can be found at ecophon.com/akusto

Profiles

Our Connect™ range are available in colours to complement our wall panel solutions.

Connect Thinline Profile



Connect WP Profile



Connect Structure Profile



Connect Channel Trim



Surfaces

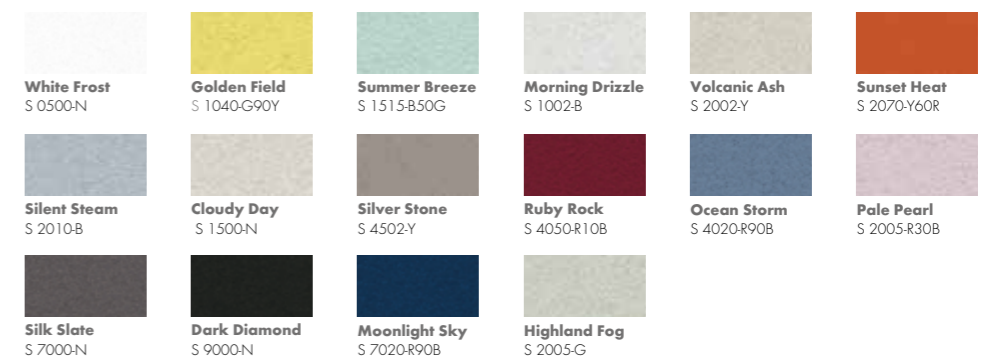
The Akutex™ Surface Technology as well as our other surfaces are one part of a whole that ensures the best possible comfort for end-users. Ecophon uses the NCS colour system that is based upon how the human sees colour. The NCS notations below show nearest NCS colour sample.

Akutex™ FT

Akutex™ FT is a smooth, easily cleaned surface, with colours inspired by nature.

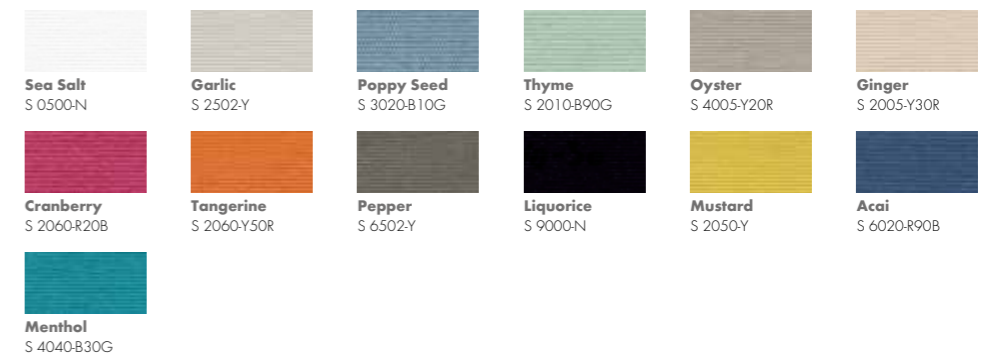


The Akutex™ label guarantees that the product carrying it has a superior surface technology. Our research and development will always focus on a combination of acoustic properties, visual aspects, working environment, architectural trends and environmental aspects. This ensures that Akutex™ is always one step ahead.



Texona

Texona has a smooth, textured surface, is impact-resistant and available in a variety of colours that allude to flavours.



Super G™

Super G™ is a strong glass fibre surface, created to withstand mechanical impact in demanding environments.



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Ecophon is the leading supplier of acoustic solutions. We contribute to healthier indoor environments, improving quality of life, wellbeing and working performance. As evolution has adapted the human senses to a life outdoors, our focus is to bring the ideal acoustic environments of nature into our modern indoor spaces. We know they will have a sound effect on people.



The principles guiding our work are grounded in our Swedish heritage, where a human approach and a common responsibility for people's lives and future challenges come naturally.

Ecophon is part of the Saint-Gobain Group, a world leader in sustainable habitat solutions. This is also one of the top 100 industrial groups in the world, constantly innovating to make living spaces more comfortable and cost-efficient. Saint-Gobain offer solutions to the major challenges of energy efficiency and environmental protection. No matter what new needs emerge in the habitat and construction markets, the future is made of Saint-Gobain.



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