Systems and products overview

that provide indoor sound-absorbing solutions

Ecophon®
SAINT-GOBAIN
A SOUND EFFECT ON PEOPLE

About Ecophon

Our promise: A sound effect on people

Since its inception nearly 60 years ago, Ecophon has been continuously working to improve the acoustic environment in offices, schools, healthcare facilities, restaurants, theatres, industrial and other premises. Our promise of "a sound effect on people" is at the heart of everything we do, including our efforts to reduce our own environmental impact and to develop sustainable products. We bring passion and commitment to every aspect of our business.

Ecophon in short:

- Head office located in Hyllinge, Sweden.
- Production units in Sweden, Denmark, Poland, Finland and France.
- Global presence through business units and distributors.
- Approximately 750 employees.

The Ecophon absorbers are made of glass wool, a lightweight material that has unique sound absorbing qualities and mainly contains recycled glass. The systems are easy to install and available globally.

Our acoustic ceiling and wall absorber systems draw on our extensive acoustic knowledge. We pride ourselves on staying up-to-date by maintaining an on-going dialogue with government agencies, working environment organisations and research institutes as well as conducting our own research projects and interacting with end-users. Our dedicated acoustic experts focus on office, healthcare and education premises.

Ecophon is part of the Saint-Gobain Group, the world leader in the habitat and construction markets which designs, manufactures and distributes building materials and provides innovative solutions to meet growing demands in a sustainable manner.

What's in a name?

Eco - The Latin 'oeco' and the Greek 'oikos', means home or house.
Phon - The Greek 'phone' means voice or sounds.

Eco + phon = "sound in house" which in summary is what we focus on, namely room acoustics.

Our ever-growing Sound effect on people

You hold us responsible. We owe you full transparency regarding our products' environmental impact and the efforts we are making to reduce this impact. We have come a long way and lead the industry in many areas of both eco- and auditory-friendliness. But we want to do even better.

That is why we do in-depth life cycle analyses to uncover every aspect of our products' lifes. Armed with that knowledge, we push ourselves to improve every phase, from sourcing raw materials and production to transportation and handling of waste. ►

More than 70% recycled glass

The core material in Ecophon sound absorbers is glass wool. Our glass wool consists of more than 70% recycled glass: old bottles and jars that are thus reused instead of being discarded. One traditional wine bottle is actually enough to produce the glass wool needed for one and a half regular Ecophon panels.

Production with renewable energy

It will always take energy to produce our panels. But we can take control of where that energy comes from and make sure that we use as little as possible. That is why our factories are largely powered by hydroelectric power and biogas, bringing the emissions per square meter way down. We are also taking additional steps by optimising the production process. Thanks to this we most probably have the lowest CO^2 emissions in the business, per produced square metre of absorber.

Lightening the load

Glass wool is the lightest acoustic panel material out there. That means trucks burn less fuel moving them than any other type of panel. How much less? Compared to wet felt panels, moving glass wool takes roughly 17% less fuel. For heavier materials, the fuel and CO2 reductions are even greater. The production facilities for the glass wool are located very close to Ecophon's facilities, keeping transport to a minimum.

Other raw materials

Paint

Ecophon only uses water-based paints for our acoustic panels. For our grids and profiles the paint is polyester-based. All paint components can be found on the European REACH list of safe chemicals. Read more about REACH at echa.europa.eu

Steel

The metal used to manufacture Connect grids and accessories consist of more than 20% recycled steel.

Safety for workers

All our production processes must live up to the demands of the International Organization for Standardization (ISO) 14001 and the Occupational Health & Safety Assessment Series (OHSAS) 18001:2007. ISO analyses the environmental impact of processes, while OHSAS monitors the impact of processes on people's health and safety.

We are also proud of the fact that our production process is very safe for our employees. We have been producing panels for more than a million working hours with zero lost-time accidents.

Waste

Ecophon doesn't see waste as just waste. By working actively to reduce, reuse, recover and recycle it, we are aiming for a future with zero waste to landfill. These commitments have reduced our production waste to landfill to 15%.

We are actively committed to:

- Manufacturing and marketing sustainable products contributing to a healthy working environment
- Decreasing waste, use of energy and CO_2 emissions
- Always selecting components with low environmental impact
- Increasing the amount of renewable and recycled content in products

Systems and products

		Modular ceilings	Free hanging units and Baffles	Vertical applications	Lighting	Grid and Accessories	
Ecophon Focus™	• Options • Level changes • Design and precision						48
Ecophon Master™	• Performance • Superior acoustics • Robust						52
Ecophon Hygiene™	• Safe and proven • Adaptable solutions • Cleanability						54
Ecophon Gedina™	• Standard solutions • Common demands • Well proven						62
Ecophon Advantage™	• Basic • Good value for money						64
Ecophon Sombra™	• Concept for cinemas • Acoustic opportunities • Discrete appereance						66
Ecophon Super G™	• Secured solutions • Impact resistant • Robust						68
Ecophon Akusto™	• Diversity • Engineered • Vertical acoustics			 			70
Ecophon Solo™	• New perspective • Shapes • Possibilities		 				72
Ecophon Lighting™	• Excellent light and acoustics combined • Unique design possibilities • Perfect integration						74
Connect™	• Robust system • Engineered • Time saving						76


habit
can
produce
a safer
and
better

Reference projects

for inspiration

Project: Ulster Hospital, Innovation and Medical Centre, Country: Ireland, Photographer: Gordon McAvoy, Products: Ecophon Advantage™ E, Ecophon Solo™ Rectangle

Reference projects

for inspiration

Project: VAF Instruments Office, Country: Netherlands,
Photographer: Menno Emmink, Products: Ecophon Focus™ Lp, Ecophon Line™ LED

Reference projects

for inspiration

Project: Techmania Science Center, Country: Czech Republic, Photographer: Lukáš Růžek, Products: Ecophon Focus™ Ds, Ecophon Solo™ Square, Ecophon Solo™ Rectangle

Reference projects

for inspiration

Project: Ferrero, Country: Russia, Photographer: Andrey Kordelyanu,
Products: Ecophon Focus™ Ds


FERRERO

Reference projects

for inspiration

Project: King, Country: Spain, Photographer: Álvaro San Román Gómez,
Products: Ecophon Solo™ Circle, Ecophon Solo™ Circle XL


CLIMAVER

Reference projects

for inspiration

Project: University of Lodz, Country: Poland, Photographer: Bartosz Makowski, Products: Ecophon Master™ Matrix, Ecophon Focus™ A

Reference projects

for inspiration

Project: Restaurante Magasand / Tomas Breton, Country: Spain,
Photographer: Álvaro San Román Gómez, Products: Ecophon Solo™ Baffle

Reference projects

for inspiration

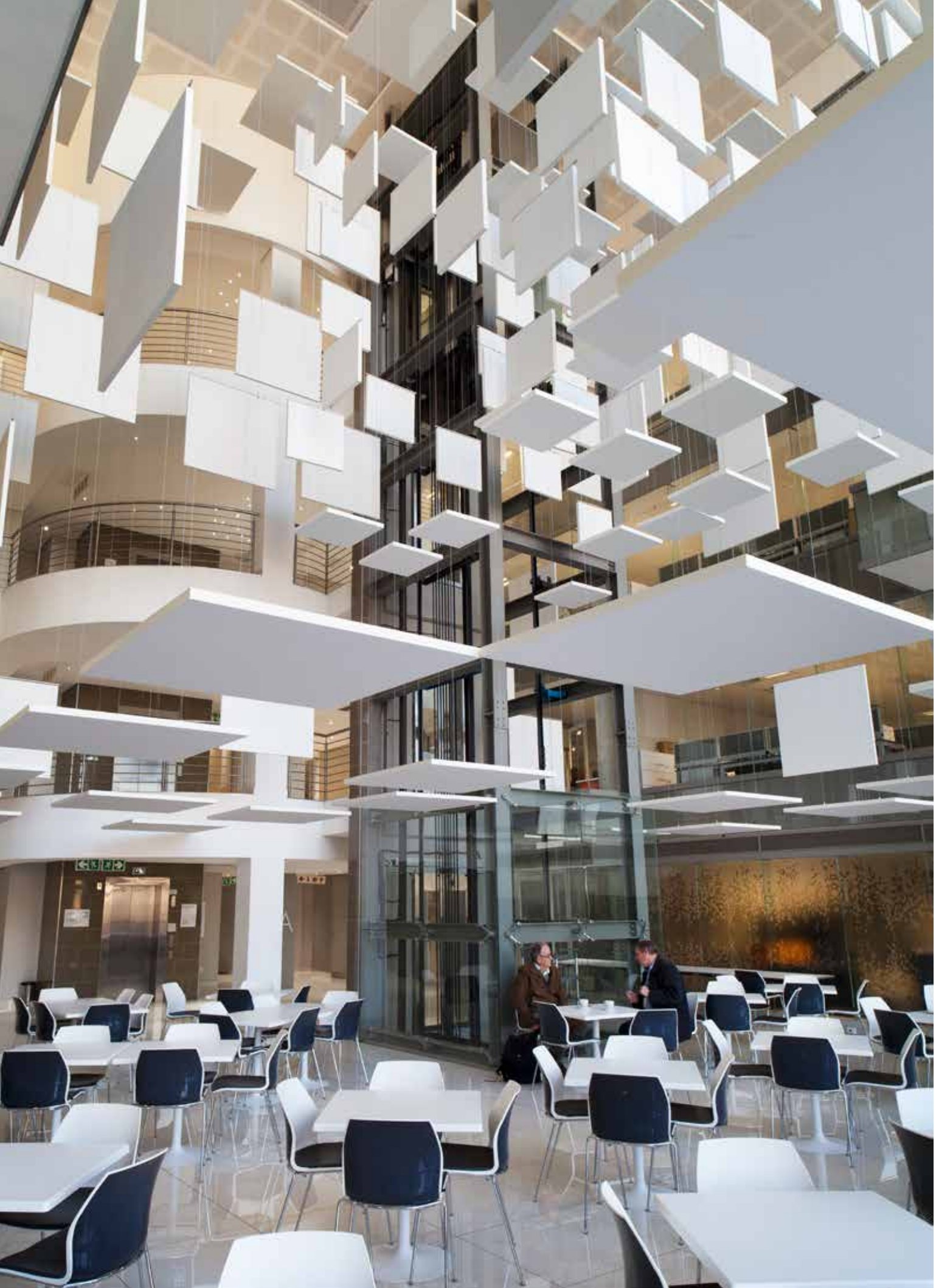
Project: Luxmed Health Clinic, Country: Poland, Photographer: Bartosz Makowski, Products: Ecophon Focus™ D s, Ecophon Solo™ Rectangle, Ecophon™ Gedina E

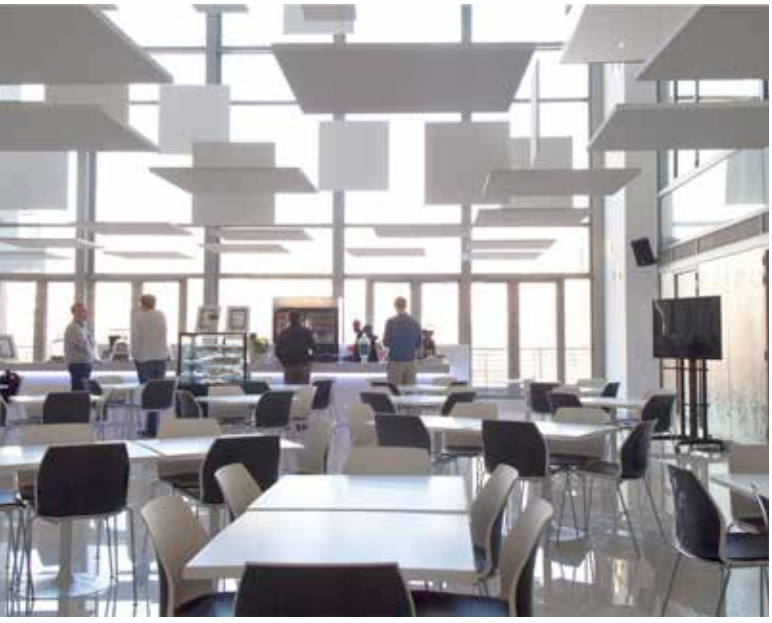

GRUPA LUXMED

Reference projects

for inspiration

Project: De Noordster Community School, Country: Netherlands, Photographer: Studio VHF, Products: Ecophon Focus™ A, Ecophon™ Gedina A, Ecophon™ Gedina E





Reference projects

for inspiration

Project: Aecom Office, Country: South Africa, Photographer: Thys Dullaart, Products: Ecophon Solo™ Square, Ecophon Solo™ Baffle

Reference projects

for inspiration

Project: Koscom, Country: Czech Republic, Photographer: Lukáš Růžek/Foto RAF, Products: Ecophon Focus™ Ds, Ecophon Focus™ Wing Ds, Ecophon Advantage™ E, Ecophon Sombra™ Ds


TISSOT
TISSOT

Reference projects

for inspiration

Project: Siemens Israel, Country: Israel, Photographer: Kfir Harebi,
Products: Ecophon Focus™ Lp

Reference projects

for inspiration

Project: Jaarbeurs Utrecht - MeetUp Conference Centre and Offices, Country: Netherlands, Photographer: Studio VHF, Products: Ecophon Solo™ Circle XL, Ecophon Focus™ Ds with Ecophon Dot™ LED


WOON

Reference projects

for inspiration

Project: Wooninc, Country: Netherlands, Photographer: Hugo de Jong Fotografi,
Products: Ecophon Akusto™ Wall C

Functional demands

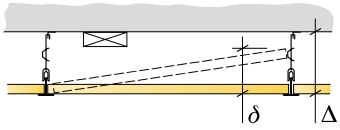
for ceilings, walls and baffles

Suspended ceiling and wall absorber systems play an important role in those premises where they are installed. Besides creating good room acoustics, they have an influence on several other building functionalities like indoor air quality. We call these areas Functional Demands.

Accessibility

Different degrees of demountability can be achieved depending on edge design, installation method and the amount of integrated service installations.
For every system featured in this catalogue the minimum overall depth of system (o.d.s.) and the minimum depth for demountability (m.d.d.) are given.

Vertical dimensions



Δ = Minimum overall depth of system

δ = Minimum depth for demountability

The overall depth of the system Δ (o.d.s.) is the dimension from the underside of the structural soffit to the underside of the suspended ceiling.

The minimum depth for demountability δ (m.d.d.) is the dimension required, to fit and demount individual ceiling panels. It is measured from the underside of the suspended ceiling.

Cleanability

One criteria for a long lasting ceiling is regular maintenance and cleaning, in combination with dirt and dust repellent surface material. The Ecophon systems have therefore been subjected to extensive tests and evaluations. The information on cleaning methods and related frequencies is based on our knowledge of how the systems are maintained and cleaned in various applications and through cooperation with leading international suppliers of cleaning agents and equipment.

In areas where hygiene and frequent cleaning takes high priority, such as kitchens, hospitals and laboratories, our Hygiene family should be chosen.

Visual appearance

Lighting can make a huge contribution to the overall look and feel of a room. A key factor is how the ceiling reflects and diffuses the light. The main three parameters that should be considered are light reflection (%), light diffusion (%) and the retro reflection coefficient (mcd/(m2lx)), which is read as millicandela per square metre and lux.

The retro reflection coefficient is an important complement to the light reflection and light and describes how the luminance of the ceiling is perceived from different places in a room.

Influence of climate

The temperature and the relative humidity must always be considered when designing buildings and choosing building material and products. In order to minimise the risk of problems of corrosion, mould and aesthetic performance in a building, the relative humidity should not exceed 70-80% temporarily. However, most of our of our ceiling tiles can withstand a relative air humidity of up to 95% at 30°C without noticeable sagging and physical changes.

Indoor climate

The indoor environment can have a major impact on people's health. The building materials, ventilation, furnishings, cleaning routines and activities are factors that all influence the indoor climate. In order to contribute to a healthy indoor sound environment our systems are tested, assessed and approved by many leading institutes and certification bodies such as Building Information Foundation RTS (M1) and Swedish Asthma and Allergy Association.

Environmental influence

Our approach in adopting a responsible attitude to our environmental influence starts with the assessment of the environmental impact at each stage in our products' life by the means of a Life Cycle Assessment (LCA).

Fire Safety

The fire safety demands on suspended ceilings vary depending on the type of room and building where they are to be installed. Detailed requirements can be found in the national building regulations. Two general requirements can, however, be identified as crucial for ceilings in the early stages of fire, and they should be regarded as ”compulsory” in all premises. They must:

- Only make a negligible contribution to the fire and smoke development. This is fulfilled by using ceilings complying with at least Euroclass B-s1, d0.
- Not break and collapse while evacuation and rescue operations can still be carried out. To pass this requirement a ceiling system should be able to withstand a heat exposure of approx. 300°C.

Mechanical properties

A ceiling must never collapse during its use. The recommended maximum allowable load for each Ecophon ceiling system is calculated and determined with at least a 2,5 multiple safety margin against any kind of failure. This is also the case for any individual component of an Ecophon system. Maximum allowable load can only be applied if the ceiling is complete and has been installed in accordance with the installation diagram.

Labelling

health, safety and functional characteristics

Ecophon acoustic systems comply with the requirements of ecolabelling boards and building research and public health organisations.

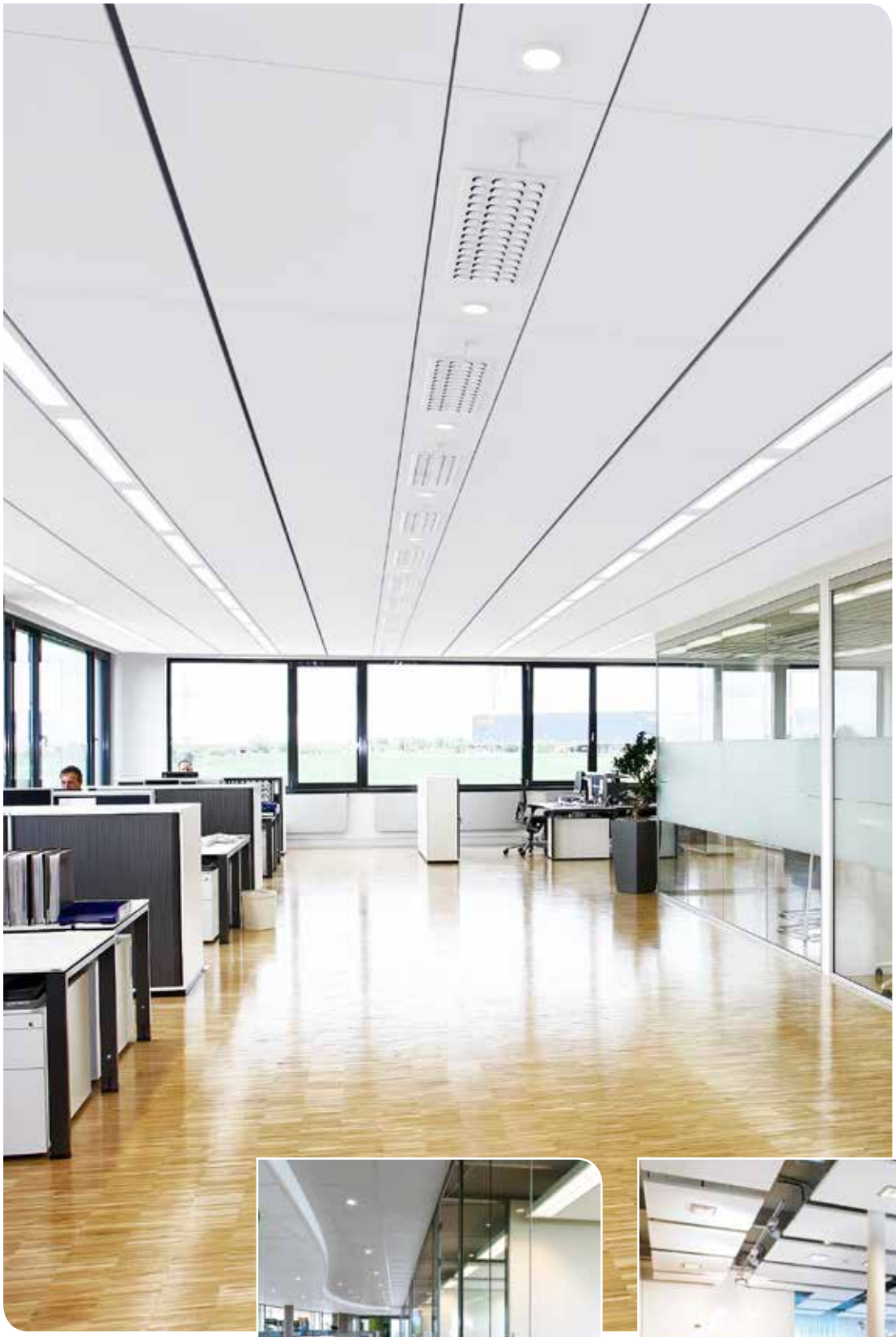
Audit of emissions to the indoor environment

The Swedish Asthma and Allergy Association has investigated Ecophon's products with particular regard to the amount of substances that may contribute to allergic reactions and other irritation and has established that the association can recommend Ecophon's sound absorbers.
www.astmaoallergiforbundet.se

CE-marking
Ecophon's sound absorbers, grids and accessories are CE marked in compliance with the European standard EN 13964, facilitating comparison between different makes and types of sound absorbers. CE-marking includes sound absorption, fire safety and certain emissions. Our CE-marking of sound absorbers requires production inspection to be supervised by an independent body.

Most Ecophon products comply with the emission requirements of Finland's leading information centre for the construction sector, the Building Information Foundation RTS. Products labelled M1, which is the best emission class, have the lowest emission values for a number of substances harmful to health.
www.rts.fi/english.htm

Since 2012, all construction products sold in France are provided with a label that states their emission level of volatile pollutants. Most of Ecophon TECH products achieve classification A (low emissions).
www.eco-institut.de/en.



Photographer: Hans Georg Esch

Photographer: Fedde de Weert

Photographer: Szymon Polański

Office

enhance the working spirit

An office includes many different spaces. When planning an office, it is necessary to take a comprehensive view and consider all aspects that affect the sound environment; the people, the room and the activities. Flexible workspaces and open space solutions are increasingly common in office buildings. Therefore, often the most important acoustic parameter to control is the sound propagation i.e. to make sure people at one end of the office are not disturbed by unwanted sound from the other end.

Having a good sound environment is integral to providing the workers with a sense of well-being and satisfaction about the office in which they work every day. A good working environment is not only beneficial for the workers, but increases the efficiency and productivity of the company as a whole. It will also improve the company's popularity as a workplace, which in turn can help you attract highly qualified employees.

The positive effects of a good sound environment in offices include

- Increased well-being, less stress and tiredness
- Increased job satisfaction
- Easier to concentrate and increased accuracy
- Easier to communicate
- More attempts at solving difficult tasks

Acoustic solutions for all office spaces

There are many things you can do to improve the sound environment, depending on where in the process you are. The optimal situation is to take acoustic solutions into account at the planning and building phase, also to consider the acoustic solutions when undertaking a renovation project. By creating a good sound comfort level the employees will enjoy an acoustic environment that is tailor-made to support the activities taking place.

Photographer: Szymon Polański

Photographer: Hans Georg Esch

Photographer: Hans Georg Esch

Education

sound comfort for teaching and learning

Good learning environments are characterised by good speaker comfort for teachers, and listening comfort for students. Therefore it is important to control sound levels, unwanted sounds and reflections, leading to greater concentration and clear and comfortable speech. As our ears are developed for hearing outdoors, we need to get closer to a perceived "natural outdoor" classroom environment, the ideal setting from a sound comfort perspective.

The positive effects of a good sound environment in educational premises include;

- Reduced vocal strain and voice disorders for teachers
- Improved concentration
- Reduced tiredness, fatigue and stress levels
- Easier to hear and be heard with improved speech clarity
- Optimised environment for multi-communicational activities like group work
- Improved student behaviour and reduced burden on school and classroom management

Educational premises mean more than classrooms

Designing the sound environment in an educational building requires an understanding of the specific teaching methods used and communication activities that take place in order to specify the type, amount and placement of absorption, as well as which acoustic parameters should be controlled. When we shift from the traditional cellular classroom towards open learning spaces, there are additional challenges which must be considered. These include sound propagation, speech and listening comfort, etc.

In most cases, just meeting minimum classroom acoustic standards, often quantified in reverberation time, is not enough. To reflect the wishes of teachers and students, other parameters like speech clarity, sound level and sound propagation must also be considered. Going beyond minimum acoustic standards to fulfil teachers' and students' needs, will create a sound environment which improves the teaching and learning process.

Photographer: Patrik Leonardsson

Photographer: Fancy

Photographer: Ulf Odenspjut

Healthcare

enhance care and recovery

Modern healthcare facilities are getting bigger, more efficient and have to meet the demands of numerous groups of people. Traditionally the surface materials used in healthcare facilities have been hard and smooth to allow for cleaning and disinfection and to prevent microbial growth and particle emission. However, these surfaces also make the premises noisy and unpleasant to work in. In addition, the sound level has increased over time due to more technical equipment and more people moving about. Research shows that noise pollution negatively affects the medical and economical outcomes.

The positive effects of a good sound environment in healthcare premises include

- Lowered blood pressure
- Improved quality of sleep
- Reduced intake of pain medication
- Improved communication
- Lowered stress levels
- Improved patient safety
- Enhanced staff wellbeing, performance and job satisfaction

Acoustic solutions for all spaces including areas where hygiene is important.

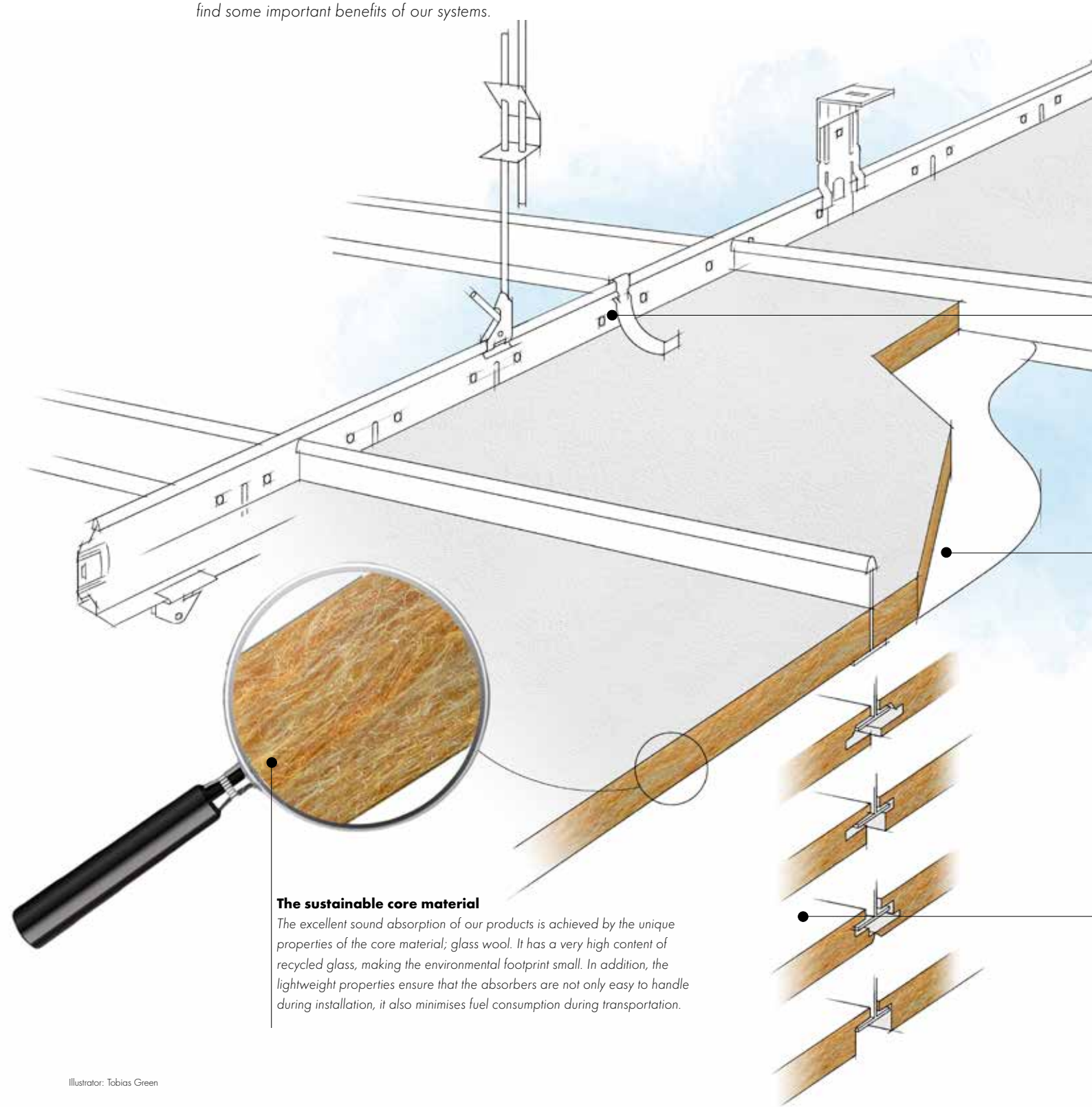
A crucial aspect of sound control in healthcare facilities is the importance of lowering the sound level in order to increase the accuracy in communication between patients and staff, and between staff in emergency situations. Optimal conditions for communication also play a central role when it comes to applying stricter rules for patient privacy and patient data security. Studies show that improvements in the acoustic environment lead to a better quality of care. Prioritising the sound environment and using system solutions is therefore a healthy investment.

Nowadays you do not have to choose between hygiene and acoustic performance when designing your healthcare facility. Innovative surface technology developed by Ecophon, combines highest sound absorbing performance and compliance with the toughest demands on hygiene and particle emissions.

Ecophon Ceiling systems

leadership through innovation

Ecophon ceiling systems are unique in many aspects. By focusing on certain properties of the systems we develop products that fulfill the demands of today and the future. Here you can find some important benefits of our systems.



The sustainable core material

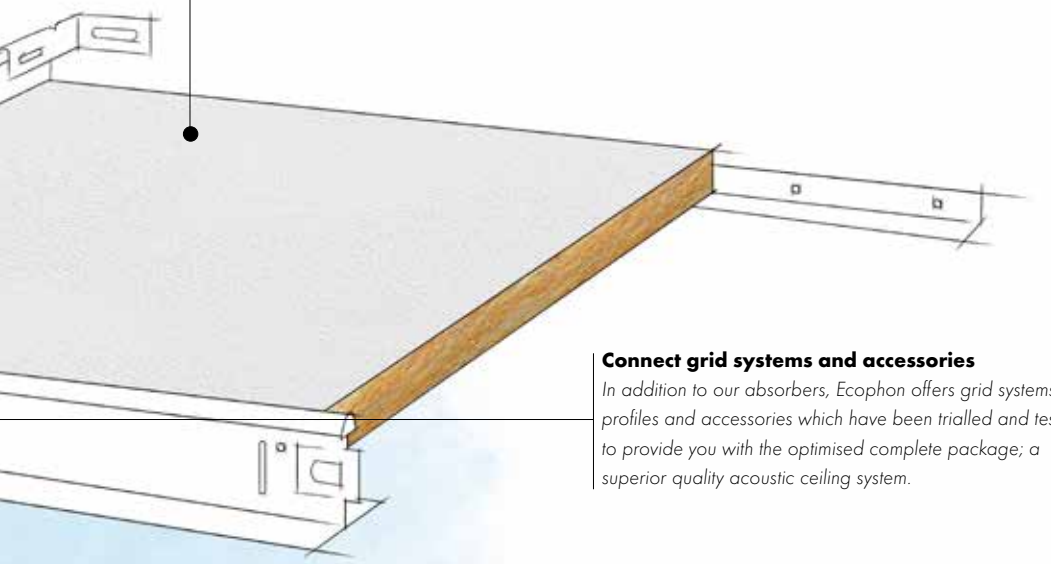
The excellent sound absorption of our products is achieved by the unique properties of the core material; glass wool. It has a very high content of recycled glass, making the environmental footprint small. In addition, the lightweight properties ensure that the absorbers are not only easy to handle during installation, it also minimises fuel consumption during transportation.

Illustrator: Tobias Green

Unique benefits of our systems

A safe and sound indoor environment

Our acoustic solutions are certified according to the indoor climate standards. All our products contribute to a healthy working environment by minimising dust particles and emissions, as well as being easy to clean and contributing to allergen-free environments.



Connect grid systems and accessories

In addition to our absorbers, Ecophon offers grid systems, profiles and accessories which have been trialled and tested to provide you with the optimised complete package; a superior quality acoustic ceiling system.

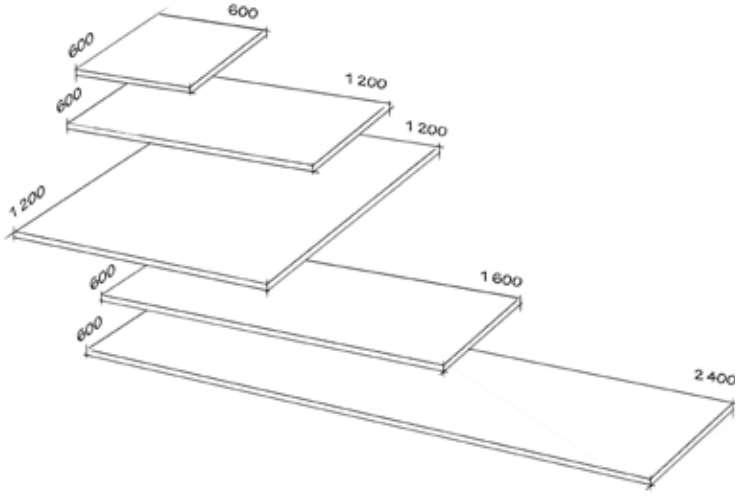
A superior painted surface

Today we have engineered five different Akutex™ surfaces to deal with even the toughest demands in terms of cleanability, particle emission, humidity resistance, aesthetics, impact resistance and light reflection.

This label guarantees that the product carrying it has a superior painted surface. Our research and development will always focus on visual aspects, acoustic properties, working environment, architectural trends and have an environmental thinking. This makes sure that Akutex™ is always one step ahead.

Providing a variety of edges and sizes

The high quality, lightweight glass wool core allows us to provide sound absorbers in large format as well as a variety of quality edge designs, giving you flexibility to create your own aesthetic expression.



Ecophon Focus™

Entering a universe of design flexibility

Photographer: Studio VHF

Our most comprehensive system family, Ecophon Focus will always offer a range of opportunities through different edge designs, forms, levels and installation options, allowing it to be used in most application areas.

- *Options*
- *Level changes*
- *Design and precision*

Photographer: Bartosz Makowski

Photographer: Lighthouse Productions Dirk Verwoerd

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd*m^{-2}lx^{-1}. Gloss < 1.

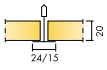
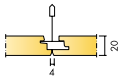
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

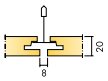
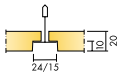
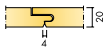
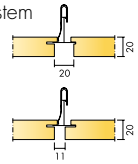
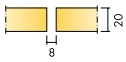
Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Focus™ A TECH Visible grid Easy demountable tiles			600x600	
			1200x600	
			1200x1200	
			1600x600	A
			1800x600	
			2000x600	
			2400x600	
Focus™ B TECH For direct fixing with glue.			600x600	C
Focus™ Ds TECH Concealed grid. Easily demountable tiles. Symmetric edge.			600x600	
			1200x600	
			1200x1200	A
			1600x600	
			1800x600	
			2000x600	
			2400x600	

Focus Dg, E, F, Lp ►

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Focus™ Dg TECH Unique edge design. Floating appearance. Easily demountable tiles.			600x600 1200x600 1200x1200 1600x600 1800x600 2000x600 2400x600	A
Focus™ E TECH Recessed visible grid. Easily demountable tiles.			600x600 1200x600 1200x1200 1600x600 1800x600 2000x600 2400x600	A
Focus™ F TECH For direct fixing with screws.			600x600 1200x600	C
Focus™ Lp TECH Semi-concealed grid system used for highlighting direction in a room.			600x150 600x300 600x600 1200x150 1200x300 1200x600 1800x600	A
Focus™ SQ TECH For direct fixing with glue.			600x600 1200x600	C

Photographer: Studio VHF

Ecophon Focus™

Unique additional systems

Systems that complements Focus products, with design solutions for end pieces, friezes and level transitions. Gives the ceiling an integrated appearance that enhances its aesthetic appeal.

Photographer: Menno Emmink

Photographer: Vladimir Bychkov

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd*m-2lx-1. Gloss < 1.

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

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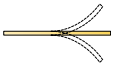
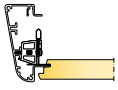
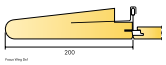
FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Focus™ Flexiform Flexible panels formed on site.			1200x600 1600x600 2000x600 2400x600	A
Ecophon Edge™ 500 Slight vertical sloped moulding for free hanging units.			600x600 1200x600 1200x1200	
Focus™ Wing Wing-shaped elements for free hanging ceilings.			1200x200	

Ecophon Master™

Taking care of demanding conditions

Photographer: Bartosz Makowski

Always at the forefront of acoustic innovation Ecophon Master is unrivalled in terms of solutions for acoustically challenging environments, providing excellent sound absorption and speech intelligibility.

- *Performance*
- *Superior acoustics*
- *Robust*

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 $mcd*m^{-2}lx^{-1}$. Gloss < 1.

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

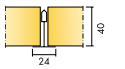
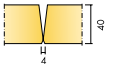
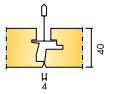
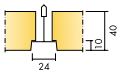
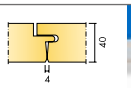
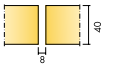
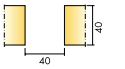
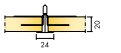
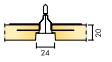
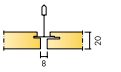
for **Master™ Ds The tiles withstand a permanent ambient RH up to 70% at 25°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Master™ A TECH Visible grid. Easily demountable tiles.			600x600 1200x600 1200x1200	A
Master™ B TECH For direct fixing with glue.			600x600	A
Master™ Ds TECH Concealed grid. Easily demountable tiles.			600x600	A
Master™ E TECH Recessed visible grid. Easily demountable tiles.			600x600 1200x600 1200x1200	A
Master™ F TECH For direct fixing with screws.			600x600 1200x600	A
Master™ SQ TECH For direct fixing with glue.			600x600 1200x600	A
Master™ Matrix TECH Semi-concealed grid. Easily demountable panels.			600x1040 600x1200 600x2400 1200x1040 1200x1200 2400x1040 2400x1200	A
Master™ Rigid A TECH Visible grid. Demountable tiles.			600x600 1200x600 1200x1200 1600x600 1800x600 2000x600 2400x600	A+C
Master™ Rigid E TECH Recessed visible grid. Demountable tiles.			600x600 1200x600 1200x1200	A
Master™ Rigid Dp TECH Semi-concealed grid system. Demountable tiles.			600x600 1200x600 1600x600 1800x600 2000x600 2400x600	A

Ecophon Hygiene™

Ensuring the required level of purity and cleanliness

Photographer: Petra Appelhof

A proven performer in several hygienically and clinically demanding environments; Ecophon Hygiene and the complete systems shall fulfil even the toughest requirements.

- *Safe and proven*
- *Adaptable solutions*
- *Cleanability*

Ecophon Hygiene™

Different application areas

Kitchen

Photographer: Marcin Węglinski

Electronics

Photographer: Martin Wagnhorn

Pharmaceutical

Photographer: Faraday Fotographic Ltd

Beverage

Photographer: Bartosz Makowski

Healthcare

Photographer: Hans Georg Esch

Leisure

Ecophon Hygiene

Advance™ systems

Ecophon Hygiene Advance is a unique sound absorbing system for use in demanding environments where there is a high level of contamination, and where frequent cleaning is required. All the suspension components, made of special treated steel, can endure daily wet cleaning with strong detergents and disinfectants. Examples of applications: areas with constantly high humidity and risk for corrosion; dish rooms and fish industry. The tile has a core of high density glass wool fully encapsulated in a smooth high performance film that is impervious to particles and water. The film is also dirt repellent and resistant to most chemicals.

Photographer: Lighthouse Productions Dirk Verwoerd

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting, vacuum cleaning, wet cleaning, high-pressure washing and steam cleaning. Water temperature max. 70°C. Can withstand the use of most disinfecting chemicals.

VISUAL APPEARANCE White 141, nearest NCS colour sample S 1000-N, 73% light reflectance.

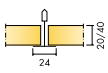
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C following the test standard in EN 13964.

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 4 according to ISO 14644-1.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Advance™ A TECH Visible grid. For humid and corrosive environments and areas with airborne grease.			600x600 1200x600	40 mm A, 20 mm B
Hygiene Advance™ Baffle TECH Vertically hanging absorber. For humid environments and areas with airborne grease.			1200x600	C
Hygiene Advance™ Wall TECH Vertical wall absorber. For humid environments and areas with airborne grease.			1200x600	B

Ecophon Hygiene

Foodtec™ systems

Ecophon Hygiene Foodtec sound-absorbing systems are intended for use in environments where there is risk of contamination, and where frequent cleaning is required. This system is recommended where humidity levels are occasionally high. Examples of applications: the food and beverage industries, restaurants and catering kitchens. The systems have a core of high density glass wool and a painted stain protected Akutex HS surface.

Photographer: Hans Georg Esch

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping on all surfaces, high-pressure washing and wet cleaning twice a year (water temperature max. 35°C). Steam cleaning four times/year. Can withstand the use of common disinfecting chemicals.

VISUAL APPEARANCE White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.

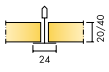
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 5 according to ISO 14644-1.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Foodtec™ A TECH Visible grid. For humid environments in kitchens, food and beverage industries.			600x600 1200x600	A
Hygiene Foodtec™ Baffle TECH Vertically hanging absorber. For humid environments in kitchens, food and beverage industries.			1200x600	C
Hygiene Foodtec™ Wall TECH Vertical wall absorber. For humid environments in kitchens, food and beverage industries.			1200x600	A

Ecophon Hygiene™

Ecophon Hygiene

Protec™ and Labotec™ systems

Ecophon Hygiene Protec and Labotec are both sound-absorbing ceiling systems intended for environments where there are demands on low particle emission and where occasional wet wiping and/or disinfection is required. Examples of applications: theatre suites in health care premises, laboratories, the pharmaceutical and electronics industries.
The tiles have a core of high density glass wool and a painted particle-repellent Akutex HP surface.

Photographer: Teddy Strandqvist/Studio-e.se

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping. Can withstand the use of common disinfecting chemicals. Withstand the use of hydrogen peroxide vapor.

VISUAL APPEARANCE White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.

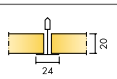
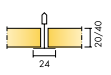
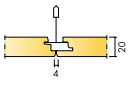
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 5 according to ISO 14644-1.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Protec™ A TECH Visible grid. For dry environments in health care and the pharmaceutical and electronic industries.			600x600 1200x600	A
Hygiene LabotecAir™ A TECH Visible grid. For dry environments in the pharmaceutical and electronic industries.			600x600 1200x600	40 mm A, 20 mm C
Hygiene Labotec™ Ds TECH Consealed grid. For dry environments in laboratories.			600x600 1200x600	B

Ecophon Hygiene

Performance™ systems

Ecophon Hygiene Performance is a wall to wall, sound-absorbing ceiling system intended for environments where there is a risk for slight contamination, and where cleaning is required on a regular basis. This system is recommended where humidity levels are occasionally high. Examples of applications: shower areas and swimming halls (under favorable and well controlled conditions). The system consists of Ecophon Hygiene Performance A tiles, which have a core of high density glass wool and a painted, cleanable, stain-protected Akutex HS surface. The back of the tile is covered with glass tissue. The edges are primed.

Photographer: Lighthouse Productions Dirk Verwoerd

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.

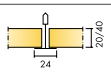
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Performance™ A TECH Visible grid. For humid environments in showers etc.			600x600 1200x600	40 mm A, 20 mm A

Ecophon Hygiene™

Ecophon Hygiene

Meditec™ systems

Ecophon Hygiene Meditec is a sound-absorbing ceiling system intended for environments where disinfection and/or cleaning is required on a regular basis. This system is recommended for dry environments. Examples of applications: consulting rooms in healthcare premises. The tiles have a core of high density glass wool and a painted cleanable Akutex TH surface. The back of the tile is covered with glass tissue. The edges are primed.

Photographer: IBL, Javier Larrea

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping. Can withstand the use of common disinfecting chemicals. Withstand the use of hydrogen peroxide vapor.

VISUAL APPEARANCE White 010, nearest NCS colour sample S 0502-Y, 84% light reflectance.

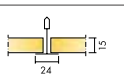
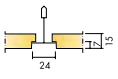
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C following the test standard in EN 13964.

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 5 according to ISO 14644-1.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Meditec™ A TECH Visible grid. For dry environments in healthcare premises.			600x600 1200x600	A
Hygiene Meditec™ E TECH Recessed visible grid. For dry environments in healthcare premises.			600x600 1200x600	A

Ecophon Hygiene

Clinic™ systems

Ecophon Hygiene Clinic is a sound-absorbing ceiling system intended for healthcare applications where a standard suspended ceiling system is required, but where strict functional requirements are needed. This system is recommended for dry environments. Examples of applications: waiting rooms, ward rooms and nurse stations. The tiles are manufactured from high density glass wool. The visible surface has an Akutex™ T coating and the back of the tile is covered with glass tissue. The edges are painted. The grid is manufactured from galvanized steel. For best performance and system quality, use Ecophon Connect grid and accessories.

Photographer: Pentti Vänskä

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping. Withstand the use of hydrogen peroxide vapour.

VISUAL APPEARANCE White 500, nearest NCS colour sample S 0500-N, 84% light reflectance (of which more than 99% is diffuse reflection)

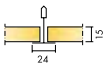
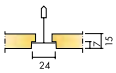
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 5 according to ISO 14644-1.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Hygiene Clinic™ A TECH Visible grid. For dry environments in healthcare premises.			600x600 1200x600	A
Hygiene Clinic™ E TECH Recessed visible grid. Easily demountable tiles. For dry environments in health carepremises.			600x600 1200x600	A

Ecophon Hygiene™

Ecophon Gedina™

Presenting a true and established classic

Photographer: Gordon McAvoy

This dependable classic is an excellent choice when functional requirements are high and design possibilities limited. Ecophon Gedina has set the standard and will continue to be a benchmark in the acoustic ceiling business.

- *Standard solutions*
- *Common demands*
- *Well proven*

Photographer: Hugo de Jong

Photographer: Menno Emmink

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White 500, nearest NCS colour sample S 0500-N, 84% light reflectance (of which more than 99% is diffuse reflection).

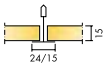
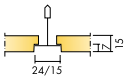
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Gedina™ A TECH Visible grid. Easily demountable tiles.			600x600 1200x600 1200x1200	A
Gedina™ E TECH Recessed visible grid. Easily demountable tiles.			600x600 1200x600 1200x1200	A

Ecophon Advantage™

Delivering elementary function

Photographer: Juha Sarkkinen

Ecophon Advantage guarantees good value-for-money that meets essential requirements regarding acoustics, moisture resistance and mechanical strength. Available in a limited number of sizes, Advantage aims to provide effortless handling and straight-forward installation.

- *Basic*
- *Good value for money*

Photographer: Patrick Salaün

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Weekly dusting and vacuum cleaning.

VISUAL APPEARANCE White 500. Nearest NCS colour code; NCS S 0500-N. 83 % light reflectance. (The tiles need to be installed in accordance with the arrows on the back of the tile in order to get optimal visual appearance).

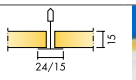
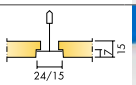
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling and recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Advantage™ A TECH Visible grid. Easily demountable tiles.			600x600 1200x600	A
Advantage™ E TECH Recessed visible grid. Easily demountable tiles.			600x600 1200x600	A

Ecophon Advantage™

Ecophon Sombra™

Ceiling solutions in boldest black

Photographer: Kfir Harbi

A well-proven acoustic solution for cinemas, the Sombra range will always make it possible to create just the right sound environment for social venues such as bars and night clubs.

- *Concept for cinemas*
- *Acoustic opportunities*
- *Discrete appereance*

Photographer: Lighthouse Productions Dirk Verwoerd

Photographer: Álvaro San Román Gómez

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Weekly dusting and vacuum cleaning.

VISUAL APPEARANCE Black 997, nearest NCS colour sample S 9000-N, 3-4% light reflectance.

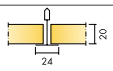
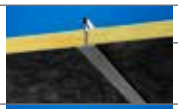
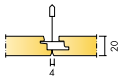
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling and recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Sombra™ A TECH Visible grid. Easily demountable tiles.			600x600 1200x600	A
Sombra™ Ds TECH Concealed grid. Easily demountable tiles.			600x600 1200x600	A

Ecophon Super G™

When conditions are tough

Photographer: Kari Palsila

High demands regarding impact resistance do not have to mean a poor sound environment. Super G has different systems depending on the room activity and impact resistant requirements. The fabric surface is developed to withstand impacts in sport halls and other similar environments.

- *Secured solutions*
- *Impact resistant*
- *Robust*

Photographer: Fotografie Bernice

Photographer: Ben Vulkers

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White 085. Nearest NCS colour sample: S 1002-Y. Light reflectance: 78%.

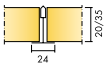
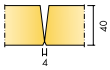
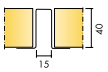
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling and recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Super G™ A TECH Classified as 2A (35 mm)/ 3A (20 mm) for mechanical impact according to EN 13964.			600x600 1200x600 1600x600 1800x600 2000x600 2400x600	A
Super G™ B TECH Classified as 3A for mechanical impact according to EN 13964.			600x600	A
Super G™ Plus A TECH Classified as 1A for mechanical impact according to EN 13964			1200x600	A

Ecophon Akusto™ Wall

Exploring a vertical art variety

Photographer: Kari Palsila

A complement to acoustic ceilings, Ecophon Akusto™ Wall solves acoustic challenges whilst also providing opportunities to follow current trends in design and installation. An array of colours and different textured finishes ensure that Akusto is suitable for a range of applications.

- *Diversity*
- *Engineered*
- *Vertical acoustics*

Photographer: Teddy Strandqvist/Studio-e.se

Photographer: Bartosz Makowski

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting, vacuum cleaning and weekly wet wiping (Super G and Akutex FT surfaces). Weekly dusting and vacuum cleaning (Texona surface).

VISUAL APPEARANCE Wall Panel in white has high light reflectance. Light reflectance and nearest NCS colour sample for all the different colours: See Solutions Colours and surfaces.

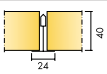
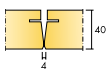
INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling and recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge		Size, mm	Absorption Class
Akusto™ Wall A TECH Visible profiles. Panel width 1200mm.			2700x1200	A
Akusto™ Wall C TECH Concealed panel connection. Panel width 600 mm.			2700x600	A

Ecophon Solo™

Experiencing freedom of expression

Photographer: Bartosz Makowski

The ever trend-sensitive Ecophon Solo comes in several shapes and sizes, allowing freedom of design and the opportunity to create striking new expressions whilst also keeping up-to-speed with sustainable architectural developments.

- *New perspective*
- *Shapes*
- *Possibilities*

You will find ten shapes that satisfy almost all situations. And if you really want to make a statement, **Solo Freedom** *lets you create your own unique shape, for those special situations.*

Photographer: Patrick Salaün

Photographer: Menno Emmink

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd*m-2lx-1. Gloss < 1.

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 70% at 25°C without sagging, warping or delaminating (EN 13964).

INDOOR CLIMATE Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.

FIRE SAFETY The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

SPECIFIC TECHNICAL PROPERTIES

Product	Edge	Size, mm
Solo™ Square TECH Free hanging unit, shaped as a square.		1200x1200
Solo™ Rectangle TECH Free hanging unit, shaped as a rectangle.		1800x1200 2400x1200
Solo™ Circle TECH Free hanging unit, shaped as a circle.		800x800 1200x1200
Solo™ Circle XL TECH Free hanging unit, shaped as a circle (two parts).		1600x1600
Solo™ Baffle TECH Vertically installed unframed baffles.		1200x200 1200x300 1200x600

Ecophon Lighting™

Integrated lighting solutions

Photographer: Studio VHF

The combination of advanced technology and high-precision workmanship lends these lighting solutions both an ultra-modern and a timeless impression. They act as design features whilst helping to ensure that the acoustics and lighting in the room function effectively.

- *Excellent light and acoustics combined*
- *Unique design possibilities*
- *Perfect integration*

Photographer: Frank Tielemans

Photographer: Andrey Kordelyanu

GENERAL TECHNICAL PROPERTIES

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

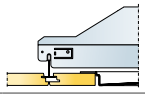
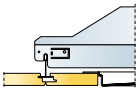
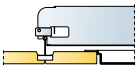
VISUAL APPEARANCE Tile surface finish; White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd/(m²lx). Gloss < 1.

ELECTRICAL APPROVALS IP23, Class 1. CE

INSTALLATION Installed according to system range which include information regarding minimum overall depth of system. The luminaire housing rests on the T-profiles and the SwitchDIM/DALI and standard on/off ballasts are fastened to the grid or tile with velcro. The tile in which the louvre is integrated is installed as an ordinary ceiling tile. Once the luminaire, ballast and tile are in place a certified installation electrician must connect the wiring to sockets or to the next luminaire.

CONNECTION The standard on/off electronic HF ballast delivered with 2,5 meters of cable 2,5 metres of cable 2x0,75 mm² and Euro plugg. The SwitchDIM/DALI and emergency electronic HF ballast delivered without cable. Emergency ballast with 1 hour battery pack.

SPECIFIC TECHNICAL PROPERTIES

Product	Edge	Size, mm	Combined with
Ecophon Dot™ A fully integrated LED luminaire with light opening shaped as a circle.		600x600	Focus Ds, Dg, E **
Ecophon Square 43™ A fully integrated LED luminaire with light opening shaped as a square.		600x600	Focus Ds, Dg, E **
Ecophon Line™ A fully integrated LED luminaire. Light opening shaped as a slit placed off center. Light opening placed in center for Focus Lp.		1200x600 1200x150 1200x300	Focus Ds, Dg, E **, Lp

* Not recommended with 135 degree corners

** Also combined with Master E

Ecophon Lighting™

Connect™ by Ecophon

engineered for your convenience

Photographer: Studio-e.se

Connect™ by Ecophon® Using Connect™ grid systems and Ecophon ceiling tiles together will ensure the best performance, security and system quality.

Connect grid system is based on a small number of engineered components for use in different on-site situations. It is a robust, time saving system that provides flexible, aesthetically pleasing ceiling solutions. Connect quality material and an effective logistical flow contributes to an efficient, cost controlled installation process.

Modern ceiling installations require access and servicing during their life-span. Connect accessories permit ready access to the ceiling void without any interference to the system.

Every component has a well-adjusted bearing capacity so that the system meets stringent demands.

Connect™ Grids

- Connect Main runner with narrow, V-shaped spine allows quick installation of lay-in tiles, resulting in less damage
- Rigid with extra torsional strength and stability for safe installation
- Tight tolerances and excellent load bearing capacity
- Unique spine design for safe attachment of Hanger clip

- Connect Cross tee with long support lip for quick fixing, gives firm, safe and non-twist coupling
- Safe fixing of single as well as double profile
- Audible click when profile is in position
- Easy to demount even in the middle of a ceiling area

Connect Cross tee affixed to Connect Main runner.

Connect™ Trims and Profiles

Connect Space bar for concealed grids.

Connect Angle trim for standard wall connections

Connect Shadow line trim has a fold, which creates a small shadow outline against the wall

Connect™ Accessories

- Connect Hanger clip allows quick installation and easy adjustment of construction height
- Allows 10° deviation force and approved for 233N
- Provides increased free space and reduces tile damage during installation
- Slides easily along main runner, achieving pure vertical force

Connect Direct bracket fixed to Connect Main runner

- Connect Adjustable wire hanger and Connect Absorber anchor
- Allows 0-60° deviation force depending on installation method

Colours

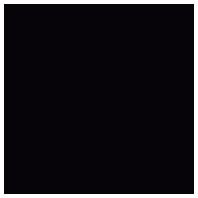
and surfaces

Akutex FT - new colour collection
Let us introduce the new colour collection for Akutex FT. Sixteen captivating colours based on the shades of nature, carefully selected by interior designers, architects and textile designers.

Akutex FT is a unique surface with superior acoustic properties and an attractive look. Available on both our direct fixed and suspended ceilings. Akutex FT in combination with the glass wool core also provides optimal sound absorption on wall panels.

White Frost
S 0500-N

Cloudy Day
S 1500-N


Dark Diamond
S 9000-N

Golden Field
S 1040-G90Y

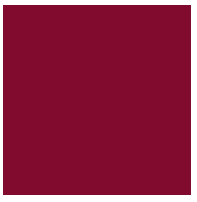
Highland Fog
S 2005-G

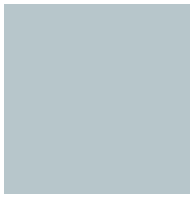

Moonlight Sky
S 7020-R90B

Morning Drizzle
S 1002-B


Ocean Storm
S 4020-R90B

Pale Pearl
S 2005-R30B


Ruby Rock
S 4050-R10B


Silent Steam
S 2010-B


Silk Slate
S 7000-N


Silver Stone
S 4502-Y

Summer Breeze
S 1515-B50G

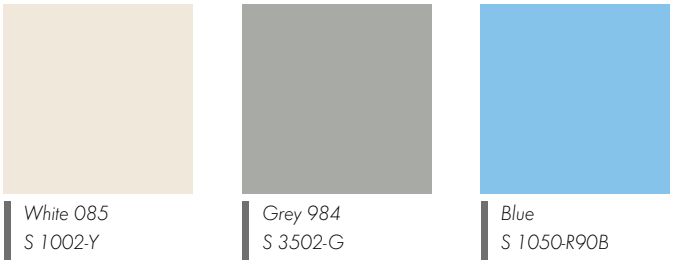

Sunset Heat
S 2070-Y60R

Volcanic Ash
S 2002-Y

New colour collection available from October 2017.

Super G

The Super G surface has been designed for environments where mechanical impact occurs. Super G is a glass fibre fabric with high impact resistance. The combination of this strong fabric and a high density glasswool core creates robust and impact resistant wall- and ceiling absorbers. It is available in three different colours.



White 085
S 1002-Y

Grey 984
S 3502-G

Blue
S 1050-R90B

Texona

If you want to create expressive wall or screen solutions with a wide range of colours Texona is the preferred choice. The surface has a smooth textured surface, is impact resistant and available in 13 colours that allude to flavours.

Sea Salt
S 0500-N

Garlic
S 2502-Y

Oyster
S 4005-Y20R

Ginger
S 2005-Y30R

Pepper
S 6502-Y

Liquorice
S 9000-N

Acai
S 6020-R

Menthol
S 4040-B30G

Poppy seed
S 3020-B

Thyme
S 2010-B

Cranberry
S 2060-R20B

Tangerine
S 2060-Y50R

Mustard
S 2050-Y

For the latest updates regarding colours and surfaces, visit www.ecophon.com.

For the eye, the ear and the mind

Notes:

Notes:

Ecophon®
SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE

Ecophon dates back to 1958, when the first sound absorbers from glass wool were produced in Sweden to improve the acoustic working environment. Today the company is a global supplier of acoustic systems that contribute to good room acoustics and a healthy indoor environment with the focus on offices, education, health care and industrial manufacturing premises. Ecophon is part of the Saint-Gobain Group and has sales units and distributors in many countries.

Ecophon's efforts are guided by a vision of earning global leadership in acoustic ceiling and wall absorber systems by providing superior end user value. Ecophon maintains an ongoing dialogue with government agencies, working environment organisations and research institutes, and is involved in formulating national standards in the field of room acoustics where Ecophon contributes to a better working environment wherever people work and communicate.

www.ecophon.com

Please, be advised that certain products may only be available in certain markets. Contact your local supplier for more information.

SAINT-GOBAIN

www.ecophon.com

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