

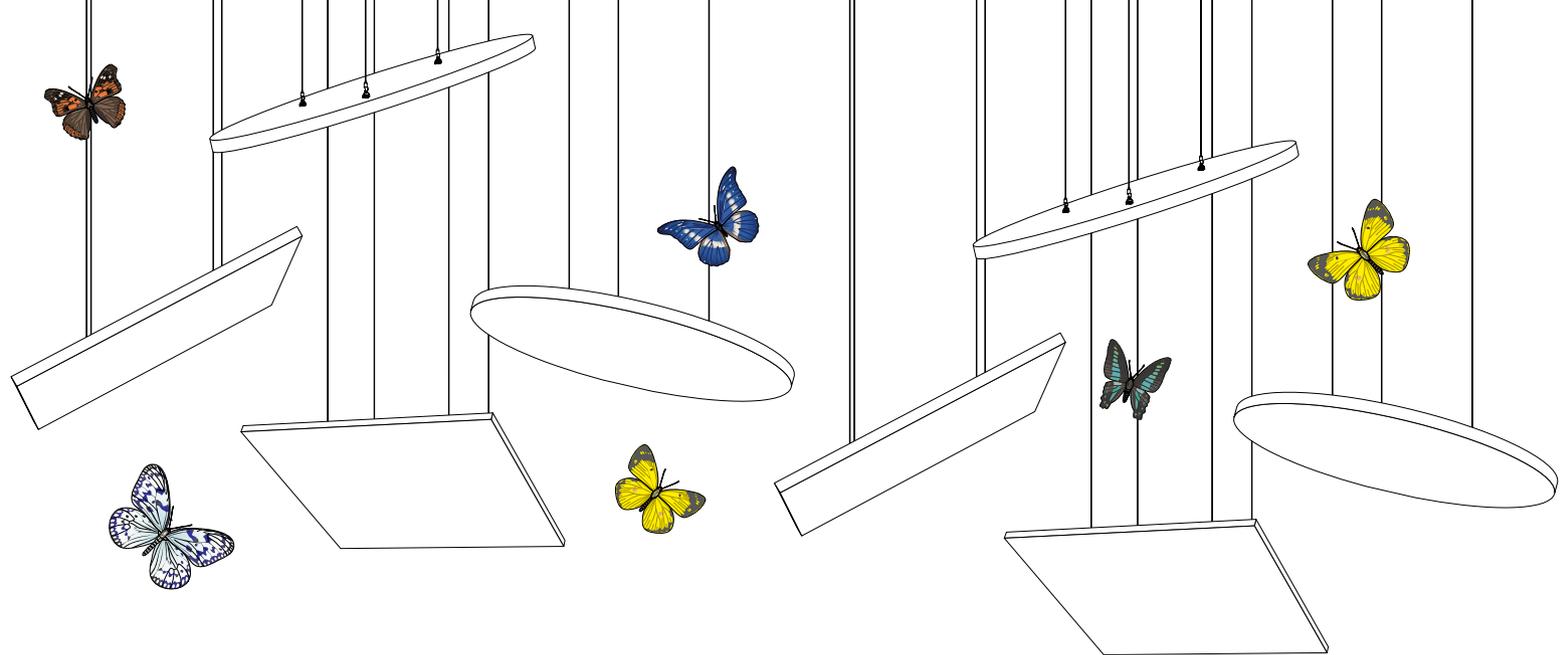
# Ecophon Solo™

sound-absorption with freedom



**Ecophon**<sup>®</sup>  
SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE



# Breaking the boundaries

## of creativity in the ceiling

*Ecophon Solo™ has been part of our creative design solution for many years. We've now expanded this product range and present new opportunities for creative sound absorbent solutions.*

*We call the new opportunities Ecophon Solo™ Regular and Ecophon Solo™ Freedom*

### **Geometrical inspiration**

Ecophon Solo™ Regular introduces geometrical shapes. Within the range you will find shapes such as ellipses, pentagons and circles. Find out more on page 6.

### **Make it your own**

There is something special about creating an original design, be that a painting or a piece of music. This is the concept behind Ecophon Solo™ Freedom. Just as the butterfly has the ability to bring happiness and individuality to dull scenery in nature, Solo Freedom can give your room a new feel.

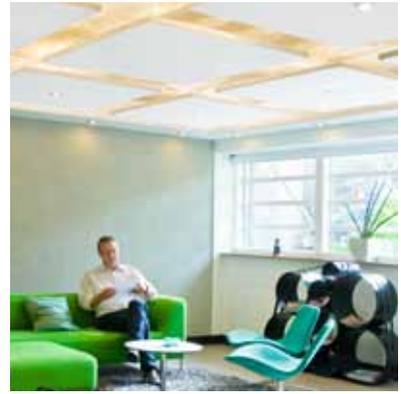
With Solo Freedom the door to your own creativity has been unlocked.

Find out more on page 8.

This publication shows products from Ecophon's product range and those of other suppliers. The specifications are intended to provide a general guide as to which product will be most suitable for the preferences indicated. Technical data is based on results obtained under typical testing conditions or from 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](http://www.ecophon.com) or contact your nearest Ecophon representative.

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Idea and layout: Saint-Gobain Ecophon AB. Printer: Skånetryck. Cover: Till Huckels. Illustration page 2: 3D Bild/Mats Paulsson. Photo page 3 starting top row, left to right: 1 Kevin Mason. 2 Anastasia Kazakova. 3 Patrick Klemm, Partone. 4 Szymon Polański. 5 Patrick Salaün. 6 Faraday Fotographic Ltd. 7 Till Huckels. 8 Faraday Fotographic. 9 Szymon Polanski. 10 Gordon McAvoy. 11. Mario Specker. 12. IBAFOTO. Page 4. Studio-e. Szymon Polanski. Technical photos page 10, Studio-e. Page 14 Patrick Klemm, Partone. Photo pages 4-5 Studio-e. Illustration page 12: Citat AB. Technical illustrations: 3D Bild/Mats Paulsson.



# Ecophon Solo™

**simply the best**

*When it comes to sound absorption innovative Ecophon Solo™ is the best choice. It is light weight, easy to install and gives the ceiling a whole new aesthetic dimension.*



## **First class sound-absorption**

Ecophon Solo™ is a class A free-hanging sound absorber. Its design makes it the attractive and smart choice for a wide range of applications where it supports Ecophon's concept of creating Room Acoustic Comfort™. This concept takes into account the interaction between people, space and activity in the creation of good acoustic comfort.

Solo enables

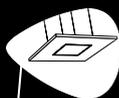
- increased sound absorption and noise reduction
- increased speech intelligibility
- improved speech clarity

Solo makes an excellent complement to a full ceiling or Ecophon wall absorbers. Important information about the acoustic effects of Solo is available on our web [www.ecophon.com/download](http://www.ecophon.com/download) in the pdf called Knowledge Guide: Room Acoustic Design with Free-Hanging Units.



## **TABS-friendly**

Ecophon Solo™ can successfully be used together with TABS (Thermally Activated Building Systems) since air flows freely around the absorber. For more information about TABS and Solo visit [www.ecophon.com/download](http://www.ecophon.com/download). You can download our TABS pdf called Knowledge Guide: Thermally activated building systems.



### Lighting

Ecophon Solo™ can successfully be combined with different types of lighting. Both integrated and pendant. Find out more on page 14-15.



### Engineered suspension systems

Ecophon Solo™ has 3 suspension systems to choose from. See page 12 for more information.



### Core material

Ecophon Solo™ consists of more than 70% recycled glass.



### Colours

Ecophon Solo™ is available in different colours for you to achieve the results you're after. Mix and match with our Akutex™ FT colour collection or order Solo in the colour you want. See pages 10-11 for inspiration.



### Superior Surface

All tiles in the Ecophon Solo™ family are without visible profiles. The edges are sharp and painted to match the surface on both sides. The Akutex™ FT surface ensures good lighting properties, while the matte surface helps to aesthetically enhance the spatial experience.



### Indoor environment

Ecophon Solo™ fulfils the demands for the Danish indoor climate label, the Finnish Emission class for building materials and is recommended by the Swedish Asthma and Allergy association.

# Geometrically different

## - ten regular shapes

*Ecophon Solo™ Regular introduces 10 geometric shapes. These come in various sizes and can be combined to create striking ceiling installations.*

The Ecophon Solo™ Regular shapes are all derived from geometry. Here you will find circles, ellipses, triangles, rectangles, pentagons, octagons and heptagons that not only give the ceiling an interesting look but also bring acoustic comfort. All shapes have a thickness of 40 millimetres and are available in different sizes that can be combined within the ceiling.

Below is an overview of the various shapes and standard sizes available in Solo Regular.



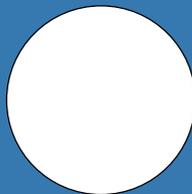
Photographer: Szymon Polanski

Add another dimension to an open plan office with Ecophon Solo™ Rectangle and Square. Here installed as rafts in the ceiling.

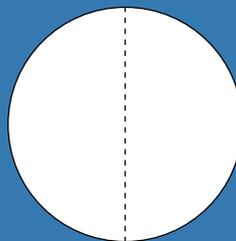
### Overview of geometrical shapes included in Ecophon Solo™ Regular



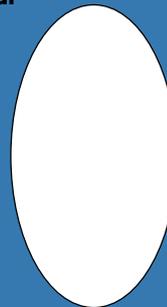
**Ecophon Solo™ Square**  
Standard size: 1200x1200 mm



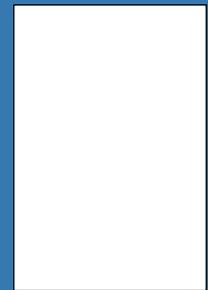
**Ecophon Solo™ Circle**  
Standard sizes Ø: 800 mm  
Ø: 1200 mm



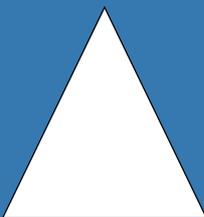
**Ecophon Solo™ Circle XL**  
Standard XL size Ø: 1600 mm



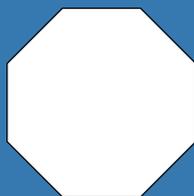
**Ecophon Solo™ Ellipse**  
Standard size: 2400x1000 mm



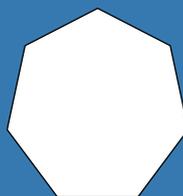
**Ecophon Solo™ Rectangle**  
Standard size 2400x1200 mm



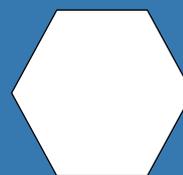
**Ecophon Solo™ Triangle**  
Standard height: 1039 mm  
Standard leg length: 1200 mm



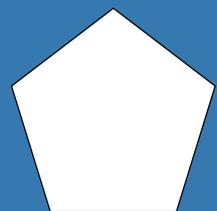
**Ecophon Solo™ Octagon**  
Standard dimensions:  
1200x1200 mm



**Ecophon Solo™ Heptagon**  
Standard dimensions:  
1168x1198 mm



**Ecophon Solo™ Hexagon**  
Standard dimensions:  
1040x1200 mm



**Ecophon Solo™ Pentagon**  
Standard dimensions:  
1139x1200 mm



# Create your own shape

## with Ecophon Solo™ Freedom

*Just like a butterfly Ecophon Solo™ can materialize in different shapes and colours. This opportunity we call Ecophon Solo™ Freedom. Here we give you the possibility to express your creativity. Design your own sound absorbing shapes and take noise control to a new level.*

The creation of your own shape is based on the rectangular Solo tile with a thickness of 40 millimetres. A basis that enables you to make a large number of shapes to your liking. Your Solo Freedom is then manufactured by us.

### **Strong material allows greater freedom**

Solo is made of glass wool. A material that is strong, suitable for cutting and has superior sound absorbing qualities. This allows great freedom to create your own sound absorbing shape.

For more information on how to create your own shapes contact our Technical Support team.



Photographer: Mark Passmore/Apex

Up in the clouds with Ecophon Solo™ Freedom. Here the designer has created Solo in the shape of clouds.

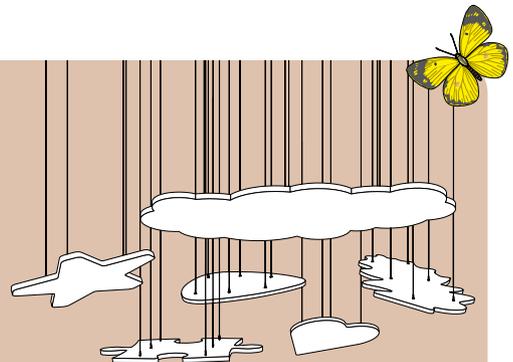
*"I've always thought butterflies have a sort of magical quality to them. They bring happiness to the dullest of surroundings and continuously surprise with their colourful appearance. They truly embody what freedom, beauty and gracefulness is all about."*



### **Create with Ecophon Solo™ Freedom**

The creative possibilities are plenty with Ecophon Solo™. Basically your own imagination sets the limits.

Find out more about the possibilities with Solo by contacting our Technical Support Team. For inspiration to make your Solo visit our web.





Photographer: Kevin Mason

# Colours of nature

with Akutex™ FT



Silent Sand



Volcanic Dust



Pure Olive



Misty Rose



Vanilla Dream



Soft Slate



Pale Garden



Silver Shadow



White Frost



Photographer: Fotostudio Fedde de Weert

*Choose from nine carefully selected shades that bring to mind images of open meadows, summer sunshine, frosty winter mornings, rocks and sandy beaches. These make up the collection: Reveal the colours of nature.*

Akutex™ FT's colour collection includes light, powdery nuances as well as darker, accent colours. This allows the creation of different impressions in a room. By combining different shades or by creating separate fields of colour, there are endless possibilities to bring a room to life. Find out more about our Akutex FT colour collection at [www.ecophon.co.uk/download\\_uk](http://www.ecophon.co.uk/download_uk) Here you also find the NSC colour codes.

\* NOTE: Special care in installation and handling must be taken with colour shapes to avoid surface damage to the paint finish. Due to printing limitations, shades may vary in product batches.

# Choose your colour

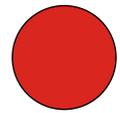
with Akutex™ T



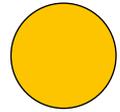
Photographer: Pawel Buck

*If you would like a particular Ecophon Solo™ colour then choose the Akutex™ T surface. Here we can create the specific shade you require.*

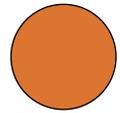
To your right are some examples of possible colours in Akutex T. To choose another colour contact our Technical Support team with a NCS-colour code.



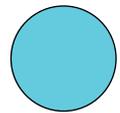
S1085-Y90R



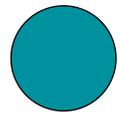
S0580-Y10R



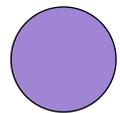
S2060-Y50R



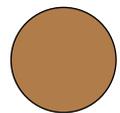
S1050-B10G



S3050-B20G



S2050-R70B



S4030-Y30R



S1060-G90Y

\* NOTE: Special care in installation and handling must be taken with colour shapes to avoid surface damage to the paint finish. Due to printing limitations, shades may vary in product batches.

# More than one level

## with specially designed suspension systems

*With Ecophon Solo™ you have three suspension systems to choose from depending on the expression you want to create in the ceiling.*

### **Floating installation**

To achieve the feeling of a floating ceiling use Ecophon Connect™ Adjustable wire-hangers. These consist of a steel wire with a hook and appear discrete when installed. Adjustable wire-hangers are easily mounted and make it possible to tilt the panels at different angles.

### **Close to the soffit**

Ecophon Connect™ Adjust bracket is the suspension solution that makes it possible to mount the panels near the soffit, thus saving on the ceiling height. Adjust bracket makes it easy to adjust the panels after installation to get a linear look in the ceiling.

### **Clean and nice angles**

Ecophon Connect™ Rigid hanger is a suspension solution that is appropriate where there is a desire to have the absorbers installed in the same level. The solution also enables the panels to be angled at both ends.



© Shutterstock\_mcseem

Get inspiration for your Ecophon Solo installation from the Arctic landscape.



Photographer: Till Hückels

The same ice floe effect can be created in the ceiling using Ecophon Solo™ Circle in various sizes.

Connect Adjust bracket can be mounted close to the soffit to save space.

Connect Adjustable wire-hangers allows flexibility in ceiling height.

Connect Rigid hangers provide the possibility to enable the panels to be angled at both ends.



# Love at first light

## Ecophon Solo™ together with lighting

*Ecophon Solo™ can be used in combination with lighting to create stylish environments where both good acoustics and lighting contribute to the positive experience of the room.*

With Ecophon Solo™ aesthetics is combined with function. The Solo can be used with both integrated and suspended luminaries. Another possibility is to create exciting 3D installations together with lighting and a combination of Solo shapes.

### **Manufactured holes in the Solo tile.**

To secure the aesthetic finish of your Solo installation we offer pre-cut holes with painted edges in your Solo tile.

For more information please contact our Technical Support.



Photographer: Patrick Klemm, Parlone

SOLINA from Zumtobel suspended through Ecophon Solo™ Rectangle.

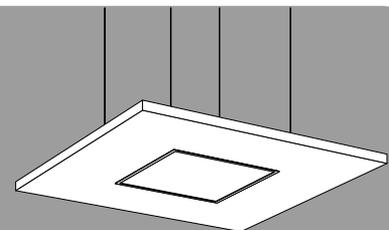


Photographer: Patrick Klemm, Parlone

Reinforce a 3D installation with lighting. Here Ecophon Solo™ Rectangle and Ecophon Solo™ Square have been installed at different levels together with indirect lighting.

### **Hole cutting and lighting installations**

Detailed information regarding the possibilities from using Ecophon Solo™ together with lighting can be acquired through our Technical Support Team or by visiting [www.ecophon.com](http://www.ecophon.com)





It is possible to install downlights in the Ecophon Solo™ tile without affecting the surface integrity. Even the cut-out keeps the visual appearance of the material.



We recommend care when selecting a luminaire so that there is no unnecessary light leakage from openings on the back of the fitting. Solo can support low weight loads directly on the tile.

Photos: Philips LuxSpace compact LED downlight installed in Ecophon Solo™ Square.

NOTE: When installing lighting together with Solo contact our Technical Support team or visit our website. Here you can find detailed information about load possibilities, hole cutting and lighting installations together with Solo.



# ECOPHON SOLO™ SQUARE



*Ecophon Solo Square is a free-hanging unit. There are three different suspension systems, Adjustable wire-hangers, Rigid hanger and Adjust bracket. All systems give a clean and minimalistic appearance.*

*The Ecophon Solo Square tile is available in size 1200x1200x40 mm with a weight of 6 kg. The tile is manufactured from high density glass wool with Akutex FT surface on the back and front of the tile. The edges are straight cut and painted.*



Solo tile



Suspension with Adjustable wire-hangers



Suspension with Rigid hanger



Suspension with Adjust bracket

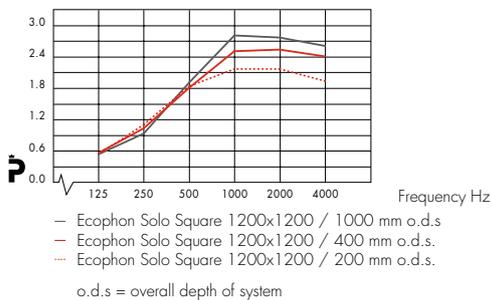
## SYSTEM RANGE

Size, mm	1200 x 1200
Special Fixing	•
Thickness	40
Inst. diag.	M284

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to measurement on a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption Test results according to EN ISO 354.  
Aeq, Equivalent absorption area per unit (m<sup>2</sup> sabine)



Sound Insulation Not applicable.

Sound Privacy Not applicable

**ACCESSIBILITY** The tiles are demountable.

**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<sup>2</sup>lx<sup>-1</sup>. Gloss < 1.

**INFLUENCE OF CLIMATE** The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.

**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 6/M3.5.

**ENVIRONMENTAL INFLUENCE** Granted the Nordic Swan eco-label. Fully recyclable.

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

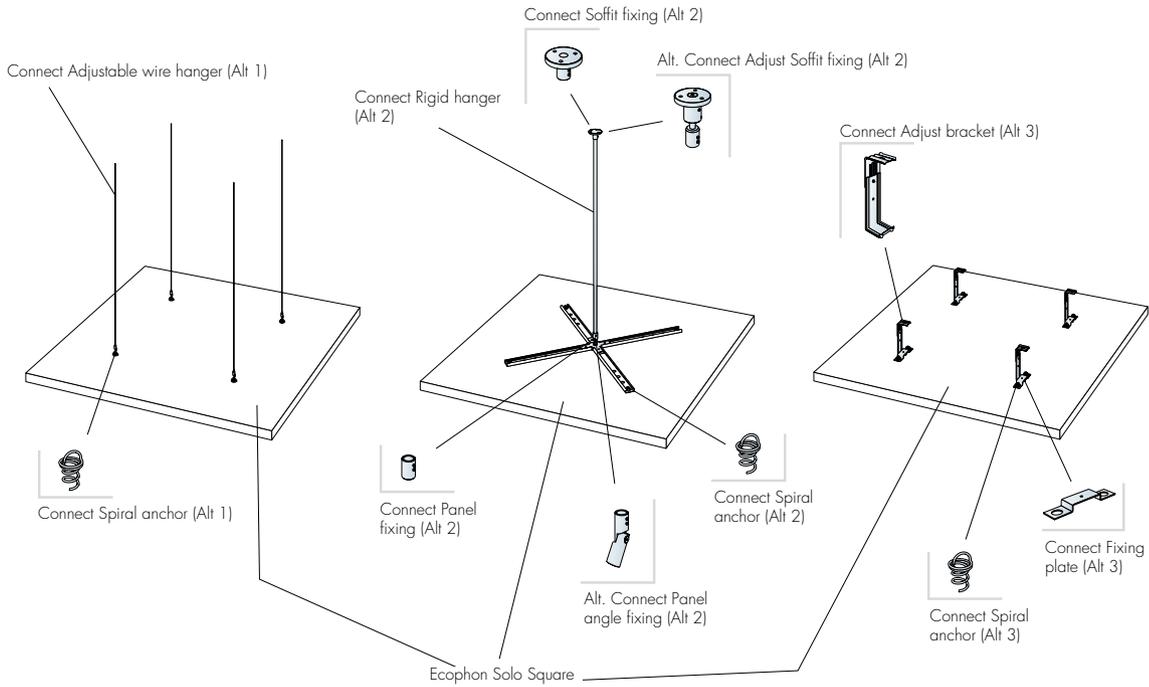
Reaction-to-fire classification

Country	Standard	Class
Europe	EN 13501-1	A2s1,d0

**MECHANICAL PROPERTIES** The tile can take both small point loads and distributed loads. For information on installing the tile in angle or hole cutting see the installation guide. Conditions: See Functional demands, Mechanical properties.

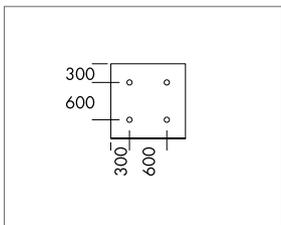
**INSTALLATION** Installed according to system range which include information regarding minimum overall depth of system.

INSTALLATION DIAGRAM (M284) FOR SOLO SQUARE

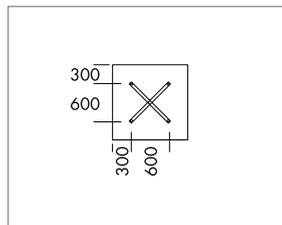


QUANTITY SPECIFICATION (EXCL. WASTAGE)

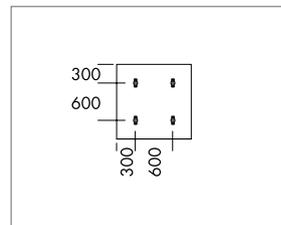
	<b>Size, mm</b>
	<b>1200x1200</b>
Ecophon Solo Square	1,44m <sup>2</sup> / tile
Connect Adjustable wire hanger (Alt 1)	4 pcs / tile
Connect Spiral anchor (Alt 1)	4 pcs / tile
Connect Rigid hanger (Alt 2)	1 pcs / tile
Connect Spiral anchor (Alt 2)	4 pcs / tile
Connect Soffit fixing (Alt 2)	1 pcs / tile
Alt. Connect Adjust Soffit fixing (Alt 2)	1 pcs / tile
Connect Panel fixing (Alt 2)	1 pcs / tile
Alt. Connect Panel angle fixing (Alt 2)	1 pcs / tile
Connect Adjust bracket (Alt 3)	4 pcs / tile
Connect Fixing plate (Alt 3)	4 pcs / tile
Connect Spiral anchor (Alt 3)	8 pcs / tile



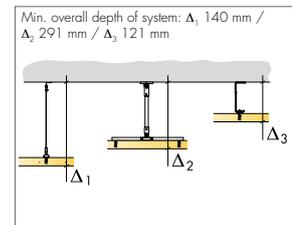
Suspension with Adjustable wire hangers



Suspension with Rigid hanger



Suspension with Adjust bracket





# ECOPHON SOLO™ RECTANGLE



*Ecophon Solo Rectangle is a free-hanging unit. There are three different suspension systems, Adjustable wire-hangers, Rigid hanger and Adjust bracket. All system gives a clean and minimalistic appearance.*

*The Ecophon Solo Rectangle tile is available in size 2400x1200x40 mm with a weight of 11,5 kg. The tile is manufactured from high density glass wool with Akutex FT surface on the back and front of the tile. The edges are straight cut and painted.*



Solo tile



Suspension with Adjustable wire-hangers



Suspension with Rigid hanger



Suspension with Adjust bracket

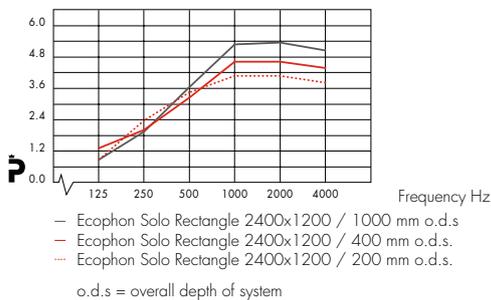
## SYSTEM RANGE

Size, mm	2400 x 1200
Special Fixing	•
Thickness	40
Inst. diag.	M281

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to measurement on a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption Test results according to EN ISO 354.  
Aeq, Equivalent absorption area per unit (m<sup>2</sup> sabine)



Sound Insulation Not applicable.

Sound Privacy Not applicable

**ACCESSIBILITY** The tiles are demountable.

**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<sup>2</sup>lx<sup>-1</sup>. Gloss < 1.

**INFLUENCE OF CLIMATE** The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.

**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 6/M3.5.

**ENVIRONMENTAL INFLUENCE** Granted the Nordic Swan eco-label. Fully recyclable.

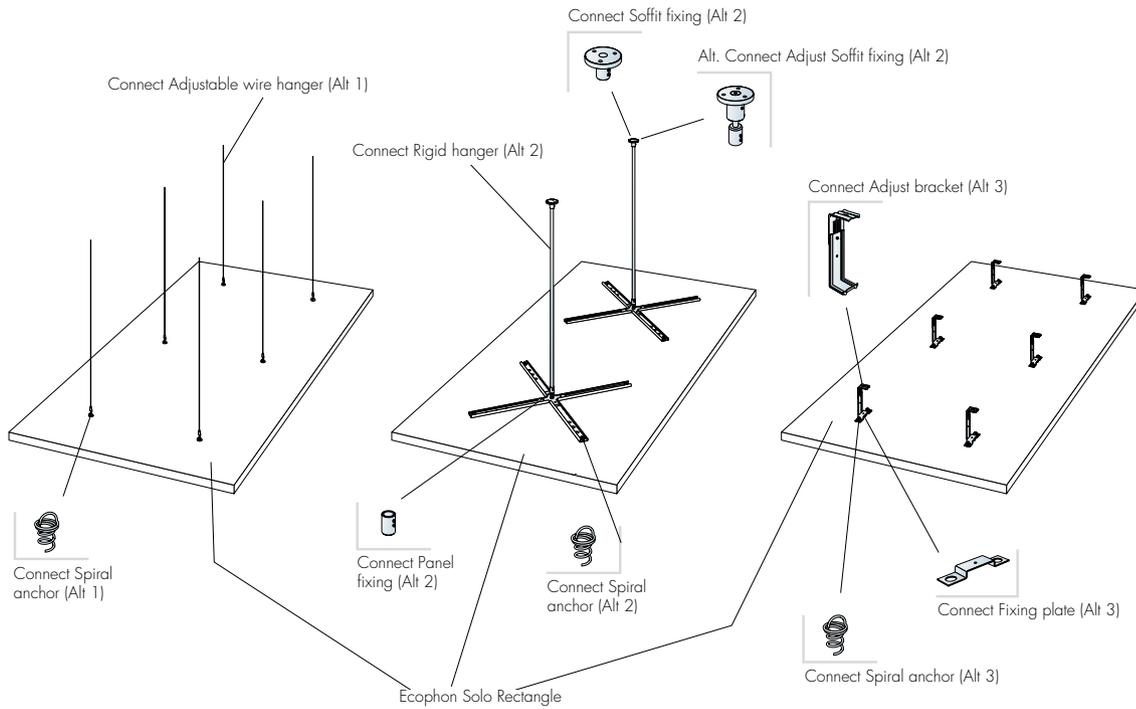
**FIRE SAFETY** The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Reaction-to-fire classification		
Country	Standard	Class
Europe	EN 13501-1	A2s1,d0

**MECHANICAL PROPERTIES** The tile can take both small point loads and distributed loads. For information on installing the tile in angle or hole cutting see the installation guide. Conditions: See Functional demands, Mechanical properties.

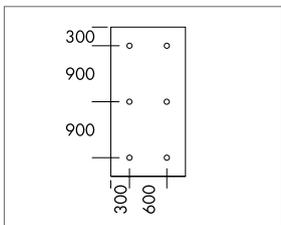
**INSTALLATION** Installed according to system range which include information regarding minimum overall depth of system.

INSTALLATION DIAGRAM (M28 1) FOR SOLO RECTANGLE

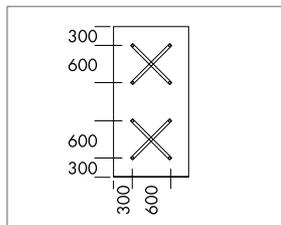


QUANTITY SPECIFICATION (EXCL. WASTAGE)

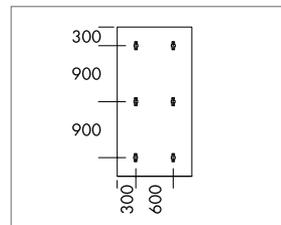
	<b>Size, mm</b>
	<b>2400x1200</b>
Ecophon Solo Rectangle	2,88m <sup>2</sup> / tile
Connect Adjustable wire hanger (Alt 1)	6 pcs / tile
Connect Spiral anchor (Alt 1)	6 pcs / tile
Connect Rigid hanger (Alt 2)	2 pcs / tile
Connect Spiral anchor (Alt 2)	8 pcs / tile
Connect Soffit fixing (Alt 2)	2 pcs / tile
Alt. Connect Adjust Soffit fixing (Alt 2)	2 pcs / tile
Connect Panel fixing (Alt 2)	2 pcs / tile
Connect Adjust bracket (Alt 3)	6 pcs / tile
Connect Fixing plate (Alt 3)	6 pcs / tile
Connect Spiral anchor (Alt 3)	12 pcs / tile



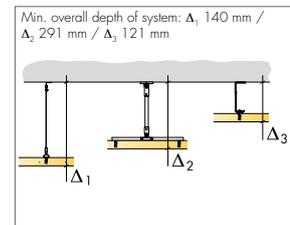
Suspension with Adjustable wire hangers



Suspension with Rigid hanger



Suspension with Adjust bracket





# ECOPHON SOLO™ CIRCLE



*Ecophon Solo Circle is a free-hanging unit. There are three different suspension systems, Adjustable wire-hangers, Rigid hanger and Adjust bracket. All system gives a clean and minimalistic appearance.*

*The Ecophon Solo Circle tile is available in size Ø1200x40 mm with a weight of 4,5 kg or Ø800x40 mm with a weight of 2 kg. The tile is manufactured from high density glass wool with Akutex FT surface on the back and front of the tile. The edges are straight cut and painted.*



Solo tile



Suspension with Adjustable wire-hangers



Suspension with Rigid hanger



Suspension with Adjust bracket

## SYSTEM RANGE

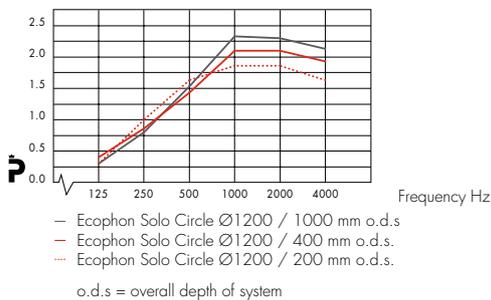
Size, mm	Ø 800	Ø 1200
Special Fixing	•	•
Thickness	40	40
Inst. diag.	M292*	M282

\*www.ecophon.com

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to measurement on a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption Test results according to EN ISO 354.  
Aeq, Equivalent absorption area per unit (m<sup>2</sup> sabine)



Sound Insulation Not applicable.

Sound Privacy Not applicable

**ACCESSIBILITY** The tiles are demountable.

**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<sup>2</sup>lx<sup>-1</sup>. Gloss < 1.

**INFLUENCE OF CLIMATE** The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.

**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 6/M3.5.

**ENVIRONMENTAL INFLUENCE** Granted the Nordic Swan eco-label. Fully recyclable.

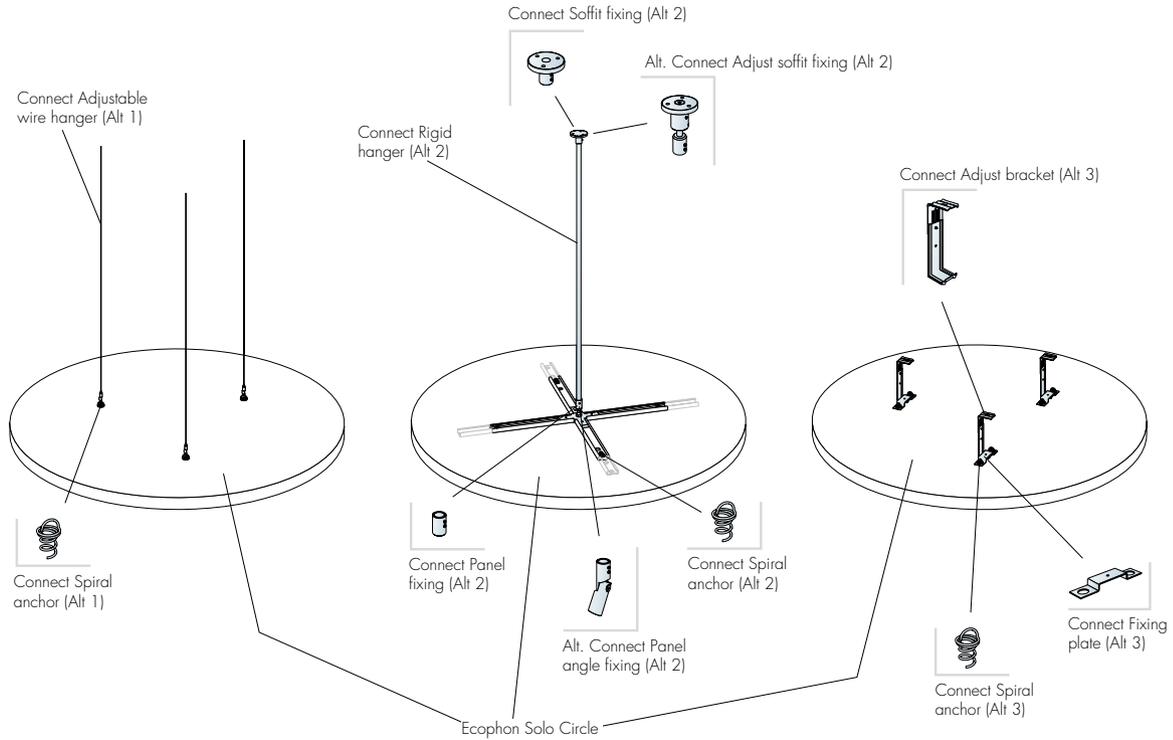
**FIRE SAFETY** The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Reaction-to-fire classification		
Country	Standard	Class
Europe	EN 13501-1	A2s1,d0

**MECHANICAL PROPERTIES** The tile can take both small point loads and distributed loads. For information on installing the tile in angle or hole cutting see the installation guide. Conditions: See Functional demands, Mechanical properties.

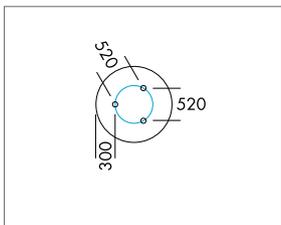
**INSTALLATION** Installed according to system range which include information regarding minimum overall depth of system.

INSTALLATION DIAGRAM (M282) FOR SOLO CIRCLE

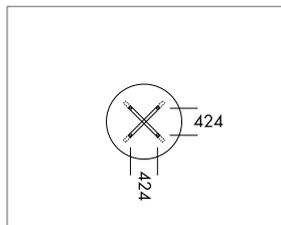


QUANTITY SPECIFICATION (EXCL. WASTAGE)

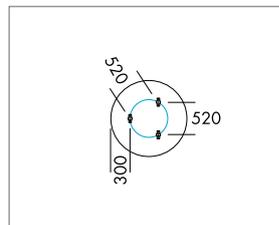
	<b>Size, mm</b>
	<b>Ø 1200</b>
Ecophon Solo Circle	1,13m <sup>2</sup> / tile
Connect Adjustable wire hanger (Alt 1)	3 pcs / tile
Connect Spiral anchor (Alt 1)	3 pcs / tile
Connect Rigid hanger (Alt 2)	1 pcs / tile
Connect Spiral anchor (Alt 2)	4 pcs / tile
Connect Soffit fixing (Alt 2)	1 pcs / tile
Alt. Connect Adjust soffit fixing (Alt 2)	1 pcs / tile
Connect Panel fixing (Alt 2)	1 pcs / tile
Alt. Connect Panel angle fixing (Alt 2)	1 pcs / tile
Connect Adjust bracket (Alt 3)	3 pcs / tile
Connect Fixing plate (Alt 3)	3 pcs / tile
Connect Spiral anchor (Alt 3)	6 pcs / tile



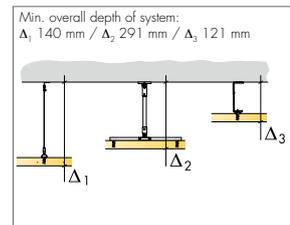
Suspension with Adjustable wire hangers



Suspension with Rigid hanger



Suspension with Adjust bracket





# ECOPHON SOLO™ CIRCLE XL

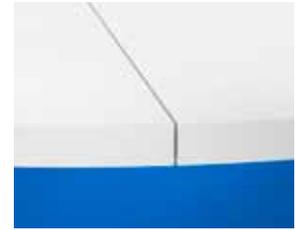


Ecophon Solo Circle XL is a free-hanging unit. The unit is suspended with Adjustable wire-hangers which are attached to Connect Main runner.

The Ecophon Solo Circle XL tile consists of two half – circles. The complete tile is available in size Ø1600x40 mm with a weight of 8 kg. The tile is manufactured from high density glass wool with Akutex FT surface on the back and front of the tile. The edges are straight cut and painted.



Solo Circle XL tile



Back of Solo Circle XL

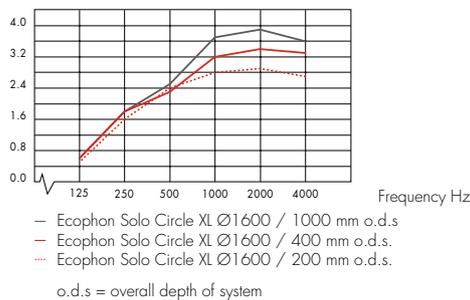
## SYSTEM RANGE

Size, mm	Ø 1600
Special Fixing	•
Thickness	40
Inst. diag.	M290

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to measurement on a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption based on test results according to EN ISO 354.  
Aeq, Equivalent absorption area per unit (m<sup>2</sup> sabine)



Sound insulation Not applicable.

Sound privacy Not applicable

**ACCESSIBILITY** The tiles are demountable.

**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<sup>2</sup>lx<sup>-1</sup>. Gloss < 1.

**INFLUENCE OF CLIMATE** The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.

**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 6/M3.5.

**ENVIRONMENTAL INFLUENCE** Granted the Nordic Swan eco-label. Fully recyclable.

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

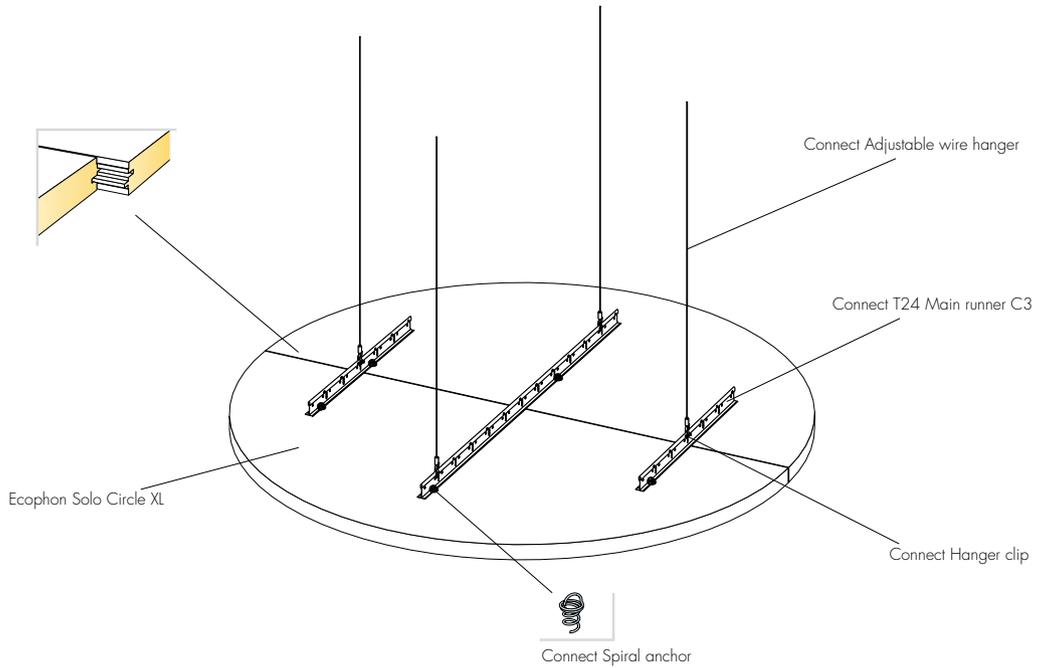
Reaction-to-fire classification

Country	Standard	Class
Europe	EN 13501-1	A2s1,d0

**MECHANICAL PROPERTIES** The tile can take both small point loads and distributed loads. For information on installing the tile in angle or hole cutting see the installation guide. Conditions: See Functional demands, Mechanical properties.

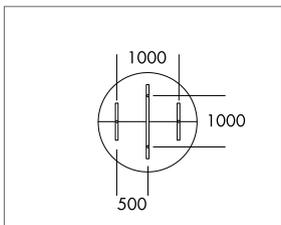
**INSTALLATION** Installed according to system range which include information regarding minimum overall depth of system.

INSTALLATION DIAGRAM (M290) FOR SOLO CIRCLE XL

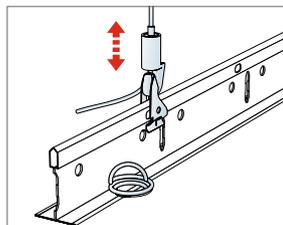


QUANTITY SPECIFICATION (EXCL. WASTAGE)

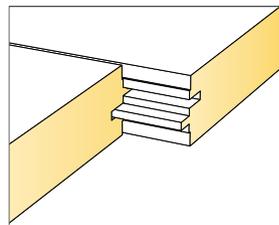
	<b>Size, mm</b>
	<b>Ø 1600</b>
Ecophon Solo Circle XL	2,01m <sup>2</sup> / tile
Connect T24 Main runner C3	0,65 pcs / tile
Connect Spiral anchor	10 pcs / tile
Connect Adjustable wire hanger	4 pcs / tile
Connect Hanger clip	4 pcs / tile



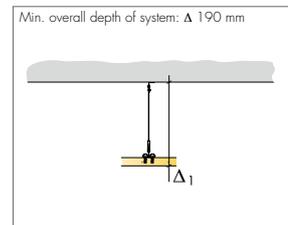
Suspension with Adjustable wire hangers and Connect T24 Main runner C3



Easy adjustable wire suspension



Meeting between panels





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](http://www.ecophon.com)*

