

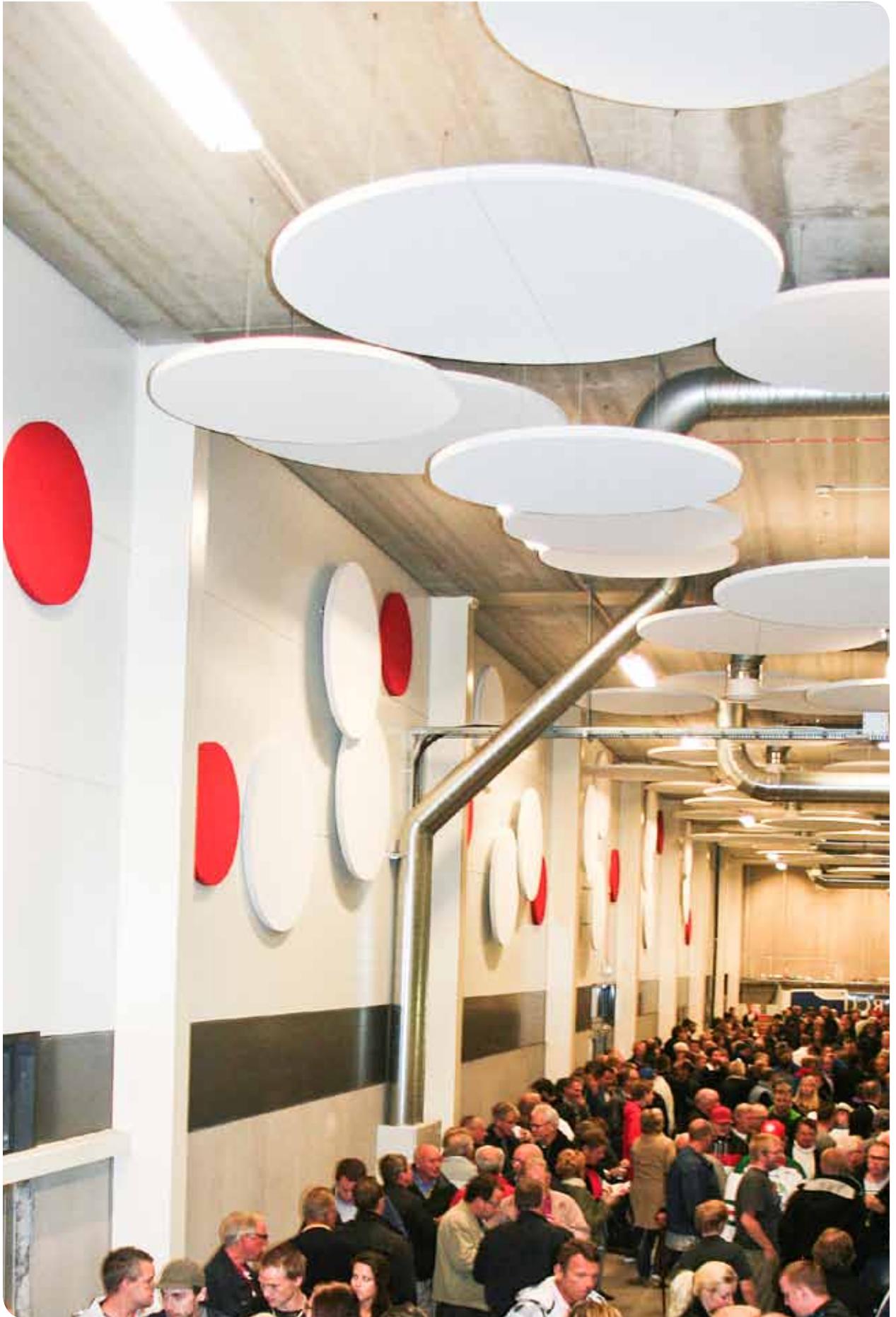
# Ecophon Solo™

**experience freedom of expression**

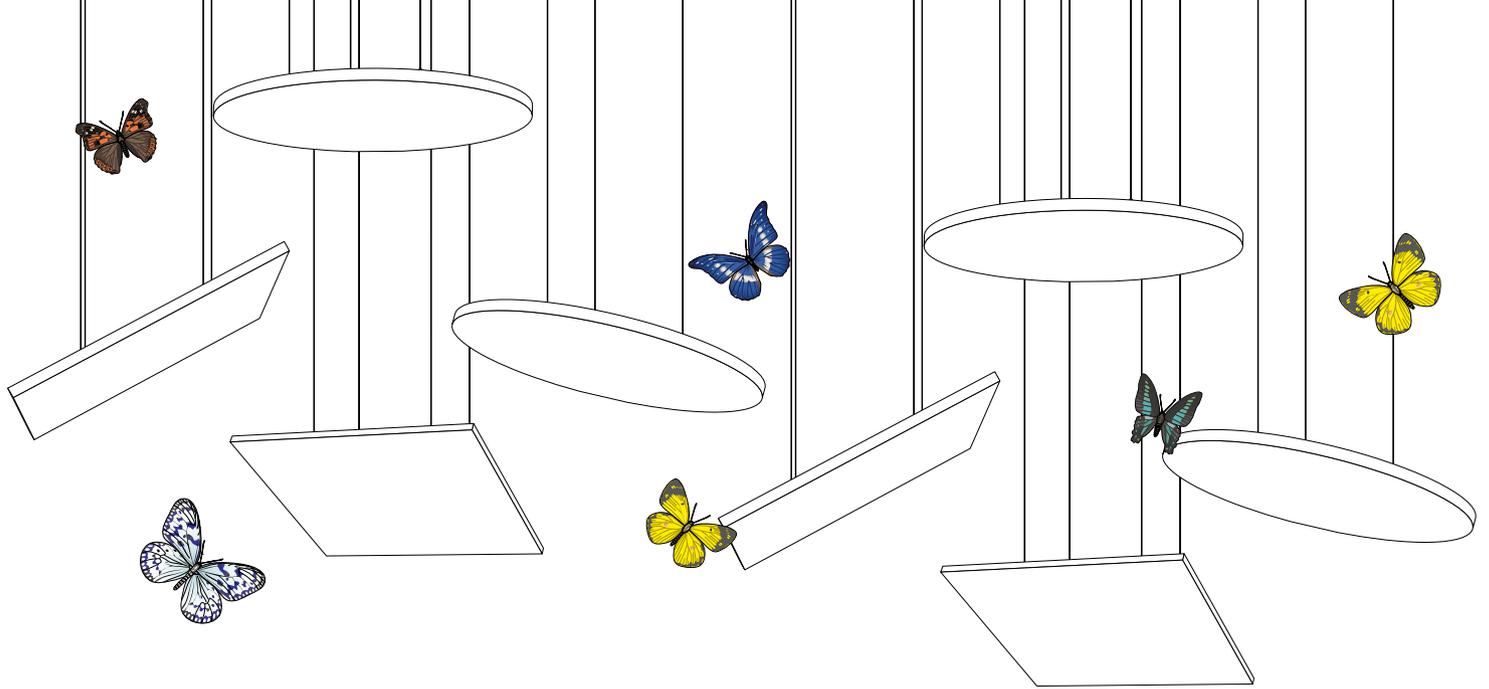


**Ecophon®**  
SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE



Photographer: Saint-Gobain Ecophon



# 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, both for ceilings and on walls.*

### **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 6-7.

### **Make it your own**

There is always something special about creating an original design, be it a painting or a new piece of music. This is the concept behind Ecophon Solo™ Freedom.

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

Find out more on page 8-9.

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: Xavier Boymond. Illustration page 3, 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 according ISO 11654. 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

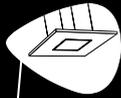
- increased sound absorption and noise reduction
- increased speech intelligibility
- improved speech clarity

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 16-17.



### Engineered systems

Ecophon Solo™ has 3 suspension systems, 2 systems for wall installations and 2 baffle-systems to choose from. See page 12 for more information.



### Environmental influence

Glass wool core utilizing 3RD Technology. Ecophon Solo™ consists of more than 80% 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

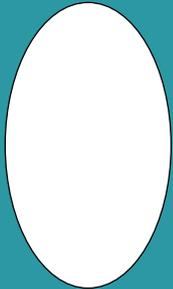
## - ten regular shapes

*Ecophon Solo™ Regular consists of ten geometric shapes. These come in various sizes and can be combined to create striking ceiling and wall installations.*

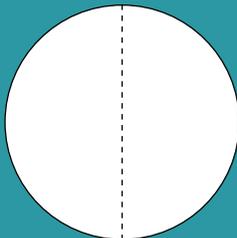
The Ecophon Solo™ Regular shapes are all derived from geometry. Here you will find circles, ellipses, triangles, rectangles, pentagons, octagons and heptagons that not only give the ceiling or wall an interesting appearance but also bring greater acoustic comfort. All shapes have a thickness of 40 millimetres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

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

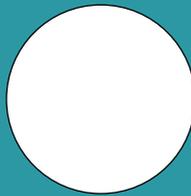
### Overview of geometrical shapes included in Ecophon Solo™ Regular



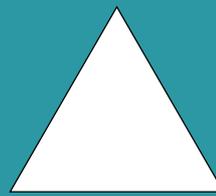
**Ecophon Solo™ Ellipse**  
Standard size: 2400 x 1000 mm



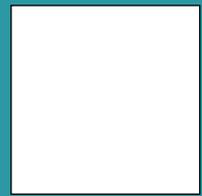
**Ecophon Solo™ Circle XL**  
Standard XL size Ø: 1600 mm



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



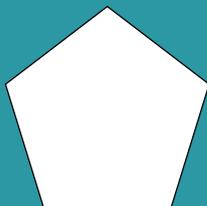
**Ecophon Solo™ Triangle**  
Standard height: 1039 mm  
Standard leg length: 1200 mm



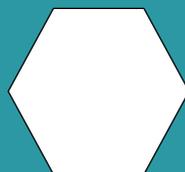
**Ecophon Solo™ Square**  
Standard size: 1200 x 1200 mm



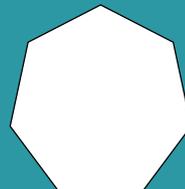
**Ecophon Solo™ Rectangle**  
Standard size 2400 x 1200 mm



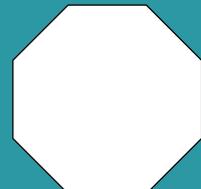
**Ecophon Solo™ Pentagon**  
Standard dimensions 1139 x 1197 mm



**Ecophon Solo™ Hexagon**  
Standard dimensions 1040 x 1200 mm



**Ecophon Solo™ Heptagon**  
Standard dimensions: 1168 x 1198 mm



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



# Create your own shape

## with Ecophon Solo™ Freedom

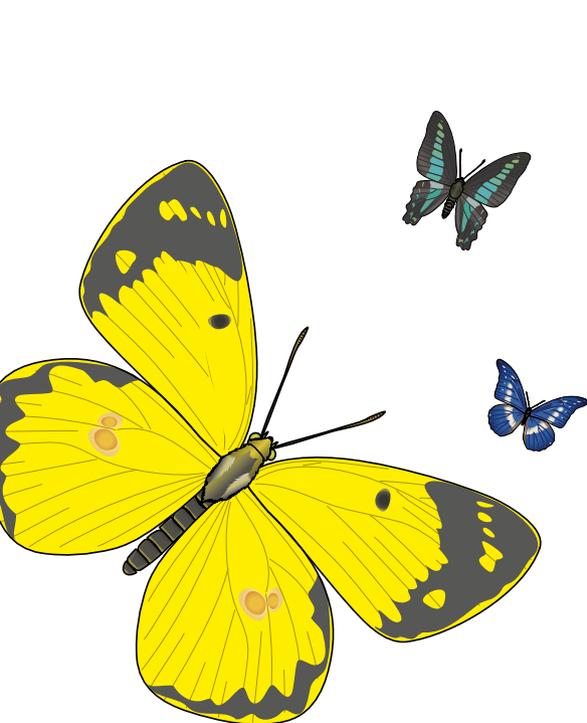
*Just like a butterfly Ecophon Solo can materialize in different shapes and colours. We call this Ecophon Solo™ Freedom, giving you the possibility to express your creativity. Design your own sound absorbing shapes and take noise control to a new level.*

Your shape is created from a rectangular Solo panel, with a thickness of 40 millimetres. using this large panel as a base, you can create your perfect shape. 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.

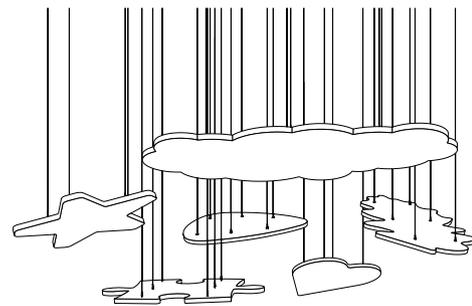
For more information on how to create your own shapes contact our Technical Support team.



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

The creative possibilities are plentiful with Ecophon Solo™. Your 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.



# Colours of nature

with Akutex™ FT



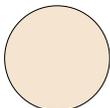
Silent Sand  
S2005-Y30R



Volcanic Dust  
S2002-Y



Pure Olive  
S2010-Y



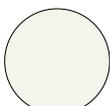
Misty Rose  
S1010-Y60R



Vanilla Dream  
S1505-Y



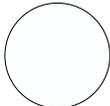
Soft Slate  
S7000-N



Pale Garden  
S1005-G10Y



Silver Shadow  
S4502-Y



White Frost  
S 0500-N



Photographer: Fedde & Ween

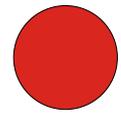
*Choose from nine carefully selected shades that bring to mind images of open meadows, summer sunshine, frosty winter mornings, rocks and sandy beaches.*

Akutex™ FT's colour collection includes light, subtle 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.com](http://www.ecophon.com)

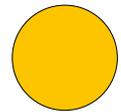
\* NOTE: Special care in installation and handling must be taken with colour shapes to avoid surface damage to the paint finish. Due to printing limitations, shades may vary in product batches.

# Choose your colour

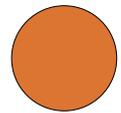
with Akutex™ T



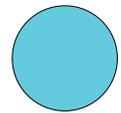
S1085-Y90R



S0580-Y10R



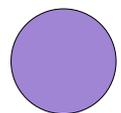
S2060-Y50R



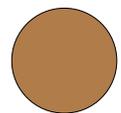
S1050-B10G



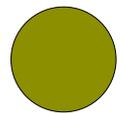
S3050-B20G



S2050-R70B



S4030-Y30R

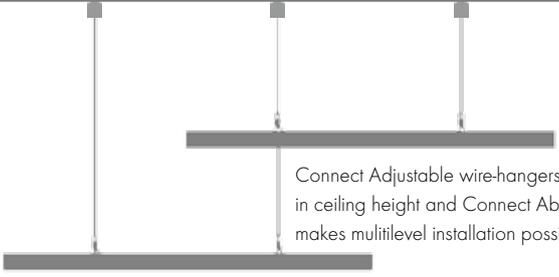


S1060-G90Y

*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.

\* 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.



Connect Adjustable wire-hangers allows flexibility in ceiling height and Connect Absorber Anchor makes multilevel installation possible.



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



# 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. Adjustable wire-hangers are easily mounted and make it possible to tilt the panels at different angles.

Connect Absorber anchors form a secure fixing in the panel and gives a precise installation with many options including multiple layers of Solo panels.

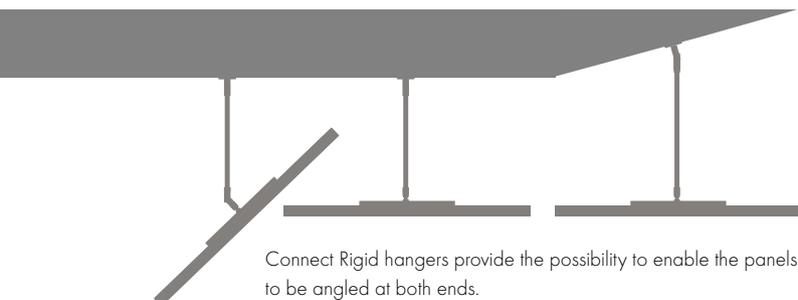
Connect Covering cup covers the soffit fixing and makes the aesthetic Solo installation complete.

### **Close to the Soffit**

Ecophon Connect™ Adjust bracket is the suspension solution that makes it possible to mount the panels close to the soffit, thus increasing the ceiling height. The adjust bracket makes it easy to adjust the panels after installation to get a clean linear look in the ceiling design.

### **Clean angles**

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



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



Connect Absorber anchor



Connect Covering cup





# Solo on wall

## a creative sound absorption

*Solo on wall gives new possibilities to install single unframed sound absorbers on the wall. Two systems give you a variety of creative options.*

### **Direct fix to the wall**

With Connect Hook trim and Connect Panel hook, hang the Solo panel as easy as a painting on the wall. It is easy to move the panels when necessary.

### **With distance to the wall**

Connect Distance hanger makes it possible to install the panel in up to 3 layers, to make creative solutions and variations with Solo panels on wall.



Soundlight Comfort Unit, a complete solution for TABS-buildings. Read more on [www.soundlightcomfort.com](http://www.soundlightcomfort.com).

# 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. 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.



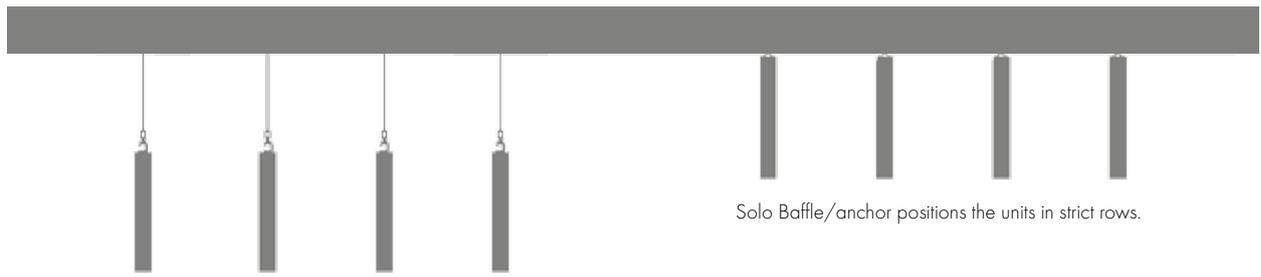
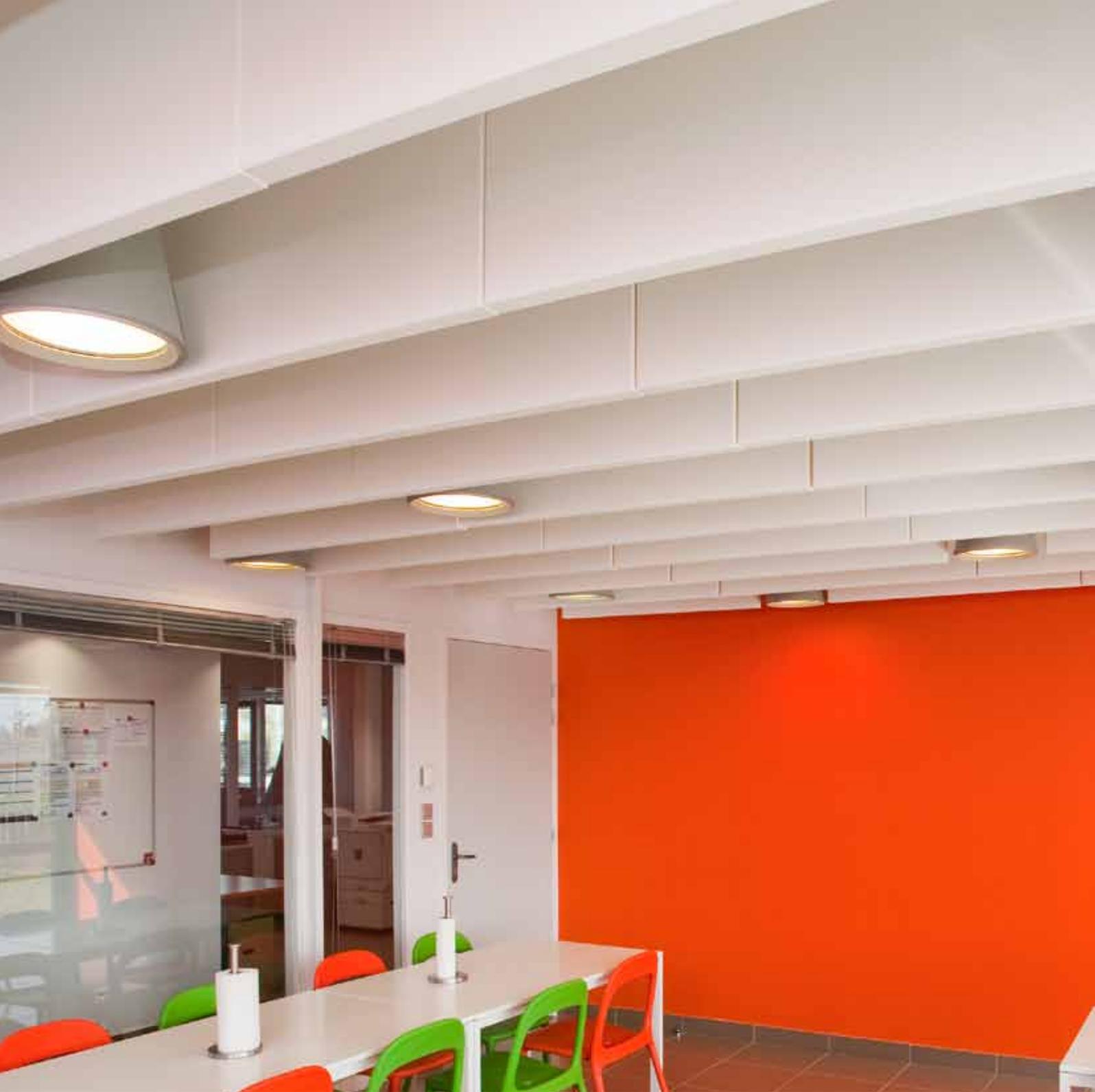
SOLINA from Zumtobel suspended through Ecophon Solo™ Rectangle.

Photographer: Patrick Klemm, Partone



Reinforce a 3D installation with lighting. Ecophon Solo™ Rectangle and Ecophon Solo™ Square.

Photographer: Patrick Klemm, Partone



Solo Baffle/hook gives flexibility in level and position.

Solo Baffle/anchor positions the units in strict rows.

# Solo Baffle

## - another option of sound absorption

*Solo Baffle gives you sound absorption even if you need an open ceiling, or if you need to increase the sound absorption in a room to support an existing sound absorbing ceiling. The product has two different installation solutions.*

### **Solo Baffle/anchor, a robust baffle solution**

Solo Baffle with Connect Baffle anchor is a robust system installed on a Connect T24 grid or in combination with Connect Baffle profile direct to the soffit.

### **Solo Baffle/hook, is a flexible solution**

Solo Baffle with Connect Spiral anchor hook for suspending by Connect adjustable wire hangers or a wall to wall wire. It is also possible to use Connect Light fitting Clip with a Connect grid system



Solo Baffle/anchor

Photographer: Studio-e.se



Solo Baffle/hook

Photographer: Studio-e.se



# Ecophon Solo™ Square

Ecophon Solo Square is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Square is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Square is an unframed free hanging unit offering a high degree of design possibilities both regarding colours and suspension systems. The three different suspension systems using Adjustable wire hangers, Rigid hanger or Adjust brackets in combination with the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers and angles.

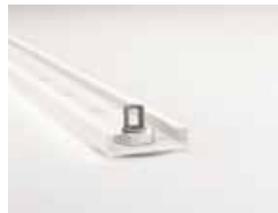
The Solo Square panel is available in size 1200x1200x40 mm with a weight of 6 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Rigid hanger and Connect Absorber anchor



Suspension with Connect Adjust bracket

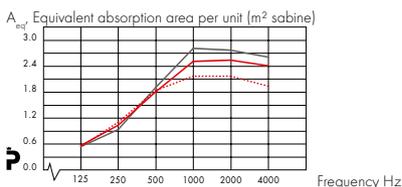
## SYSTEM RANGE

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

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



— Ecophon Solo Square 1200x1200 / 1000 mm o.d.s.  
 - - - Ecophon Solo Square 1200x1200 / 400 mm o.d.s.  
 ···· Ecophon Solo Square 1200x1200 / 200 mm o.d.s.  
 o.d.s = overall depth of system

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/(m²lx). 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, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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.

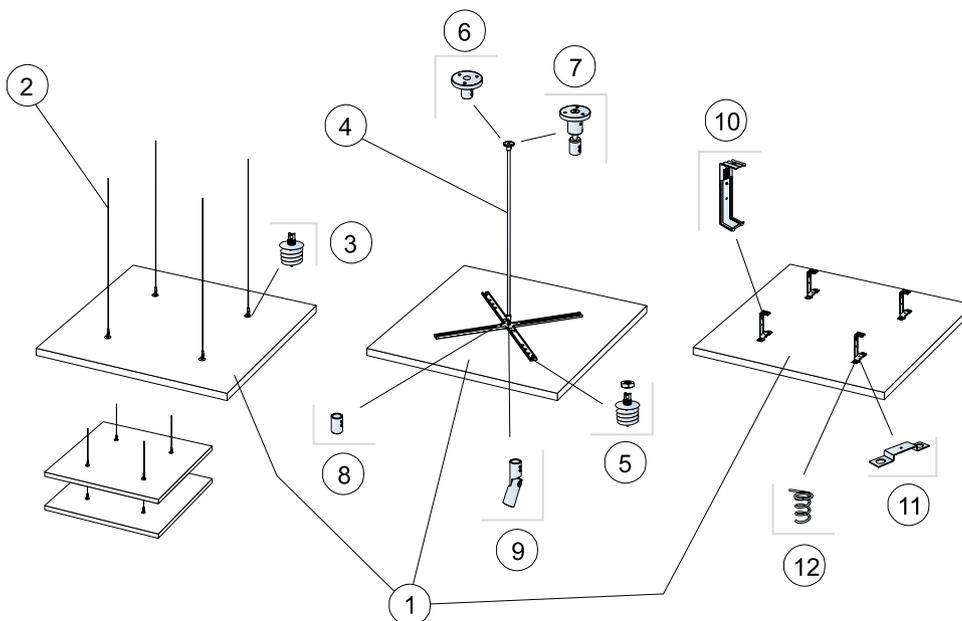
Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M284) FOR ECOPHON SOLO SQUARE

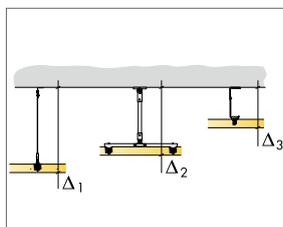


© Ecophon Group

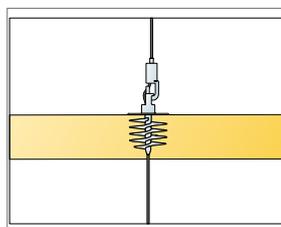
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>1200x1200</b>
1	Solo Square	1,44m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	4/panel
3	Connect Absorber anchor (Alt 1)	4/panel
4	Connect Rigid hanger (Alt 2)	1/panel
5	Connect Absorber anchor (Alt 2)	4/panel
6	Connect Soffit fixing (Alt 2)	1/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	1/panel
8	Connect Panel fixing (Alt 2)	1/panel
9	Alt. Connect Panel angle fixing (Alt 2)	1/panel
10	Connect Adjust bracket (Alt 3)	4/panel
11	Connect Fixing plate (Alt 3)	4/panel
12	Connect Spiral anchor flat (Alt 3)	8/panel

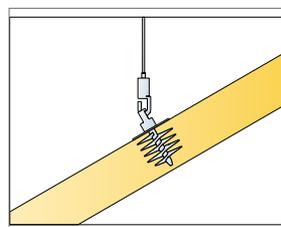
Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm



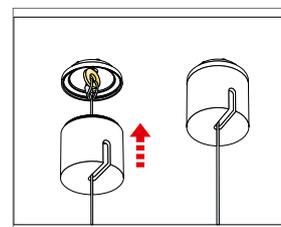
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles up to 60°



Installation of Connect Covering cup



# Ecophon Solo™ Square on wall

To increase the sound absorption in the room this system gives you the possibility to install Ecophon Solo™ Square on the wall. The systems give design possibilities, working with different layers and overlapping panels to create various patterns.

Two possibilities exist to fix Solo Square on wall, either Connect™ Hook trim or Connect™ Distance hanger. The Solo Square panel is available in size 1200x1200x40 mm with a weight of 6 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo™ panel



Installation with Connect™ Hook trim and Connect™ Panel hook



Installation with Connect™ Distance hanger and Connect™ Panel hook



Connect Spiral anchor flat as spacer when Connect™ Hook trim is used

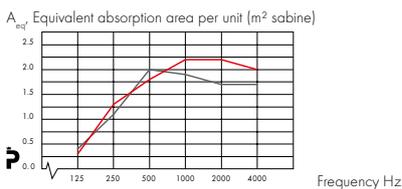
## SYSTEM RANGE

Size, mm	1200 x 1200
Special Fixing	•
Thickness	40
Inst. Diagr.	M307

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



o.d.s = overall depth of system

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). Gloss < 1.



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



**INDOOR CLIMATE** Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.



**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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	A2-s1,d0

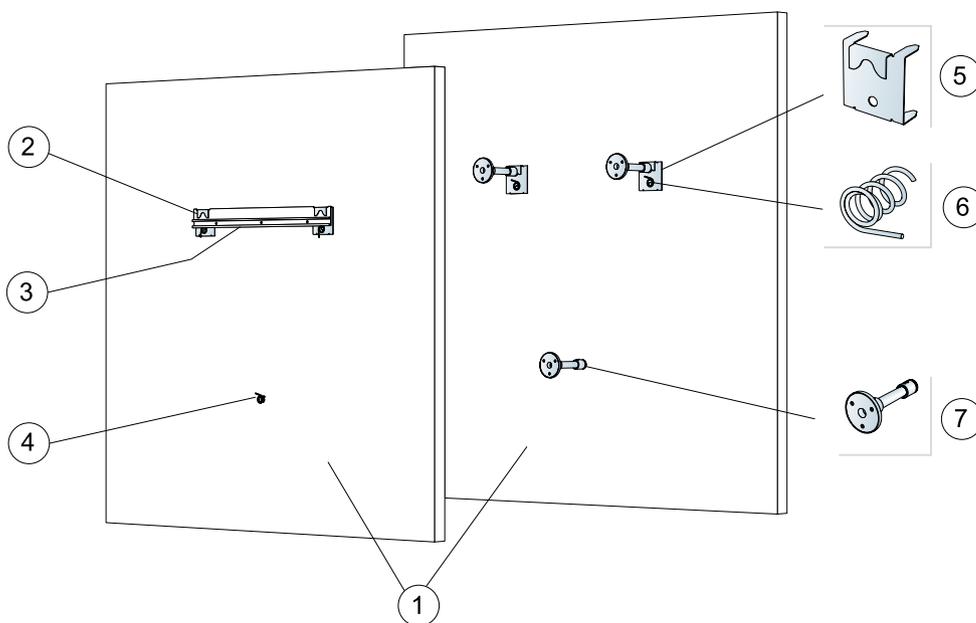


**MECHANICAL PROPERTIES** No additional live load is allowed.



**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M307) FOR ECOPHON SOLO SQUARE ON WALL

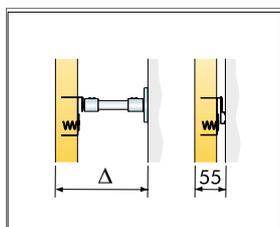


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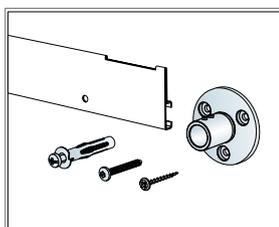
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>1200x1200</b>
1	Solo Square	1,44m <sup>2</sup> /panel
2	Alt. 1 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
3	Alt. 1 Connect Hook trim (2pcs Connect Spiral anchor flat incl. in package)	1/panel
4	Alt. 1 Connect Spiral anchor flat, used as spacer to wall (incl. in Connect Hook trim package)	1/panel
5	Alt. 2 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
6	Alt. 2 Connect Spiral anchor flat, used to fix the panel hook in the panel (incl. in Connect Panel hook package)	2/panel
7	Alt. 2 Connect Distance hanger	3/panel

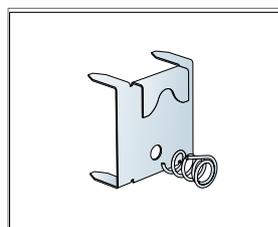
Δ Min. overall depth of system: 110 mm



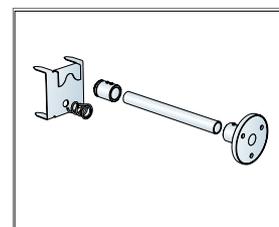
See Quantity specification



Fixing to the wall can be made with Connect screws or other common accessories



Connect Panel hook with Connect Spiral anchor flat



Installation with Connect Distance hanger



# Ecophon Solo™ Rectangle

Ecophon Solo Rectangle is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Rectangle is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Rectangle is an unframed free hanging unit offering a high degree of design possibilities both regarding colours and suspension systems. The three different suspension systems using Adjustable wire hangers, Rigid hangers or Adjust brackets in combination with the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers and angles.

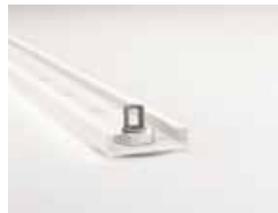
The Solo Rectangle panel is available in size 2400x1200x40 mm with a weight of 11,5 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Rigid hanger and Connect Absorber anchor



Suspension with Connect Adjust bracket

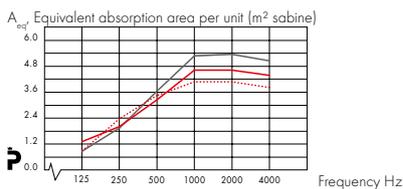
## SYSTEM RANGE

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

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



— Ecophon Solo Rectangle 2400x1200 / 1000 mm o.d.s  
 — Ecophon Solo Rectangle 2400x1200 / 400 mm o.d.s.  
 ···· Ecophon Solo Rectangle 2400x1200 / 200 mm o.d.s.  
 o.d.s = overall depth of system

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/(m²lx). 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, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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.

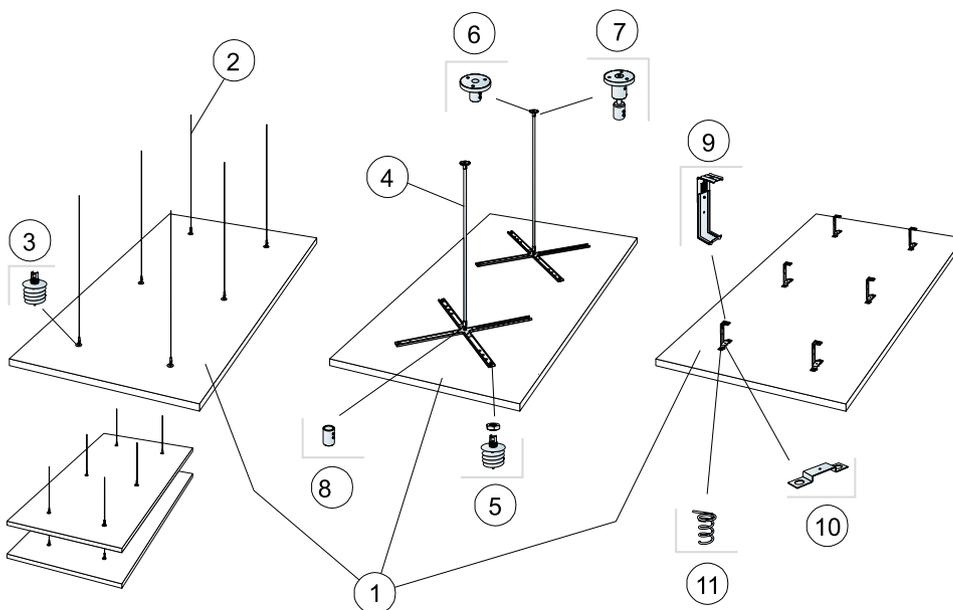
Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M281) FOR ECOPHON SOLO RECTANGLE

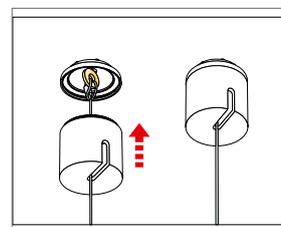
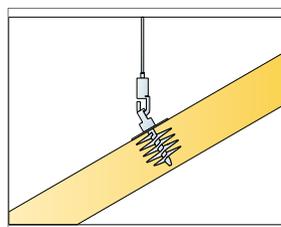
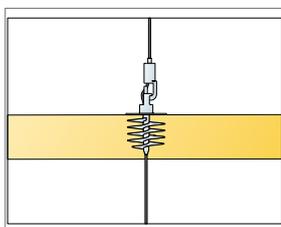
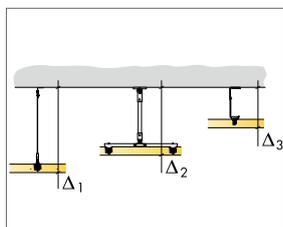


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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>2400x1200</b>
1	Solo Rectangle	2,88m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	6/panel
3	Connect Absorber anchor (Alt 1)	6/panel
4	Connect Rigid hanger (Alt 2)	2/panel
5	Connect Absorber anchor (Alt 2)	8/panel
6	Connect Soffit fixing (Alt 2)	2/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	2/panel
8	Connect Panel fixing (Alt 2)	2/panel
9	Connect Adjust bracket (Alt 3)	6/panel
10	Connect Fixing plate (Alt 3)	6/panel
11	Connect Spiral anchor flat (Alt 3)	12/panel

Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm





# Ecophon Solo™ Rectangle on wall

To increase the sound absorption in the room this system gives you the possibility to install Ecophon Solo™ Rectangle on the wall. The systems give design possibilities, working with different layers and overlapping panels to create various patterns.

Two possibilities exist to fix Solo Rectangle on wall, either Connect™ Hook trim or Connect™ Distance hanger. The Solo Rectangle panel is available in size 2400x1200x40 mm with a weight of 11,5 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo™ panel



Installation with Connect™ Hook trim and Connect™ Panel hook



Installation with Connect™ Distance hanger and Connect™ Panel hook



Connect Spiral anchor flat as spacer when Connect™ Hook trim is used

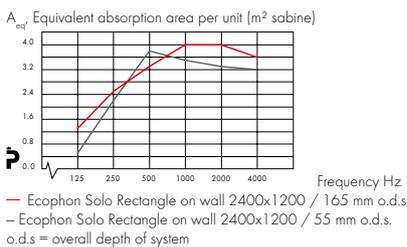
## SYSTEM RANGE

Size, mm	2400 x 1200
Special Fixing	•
Thickness	40
Inst. Diagr.	M305, M306

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



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). Gloss < 1.



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



**INDOOR CLIMATE** Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.



**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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	A2-s1,d0

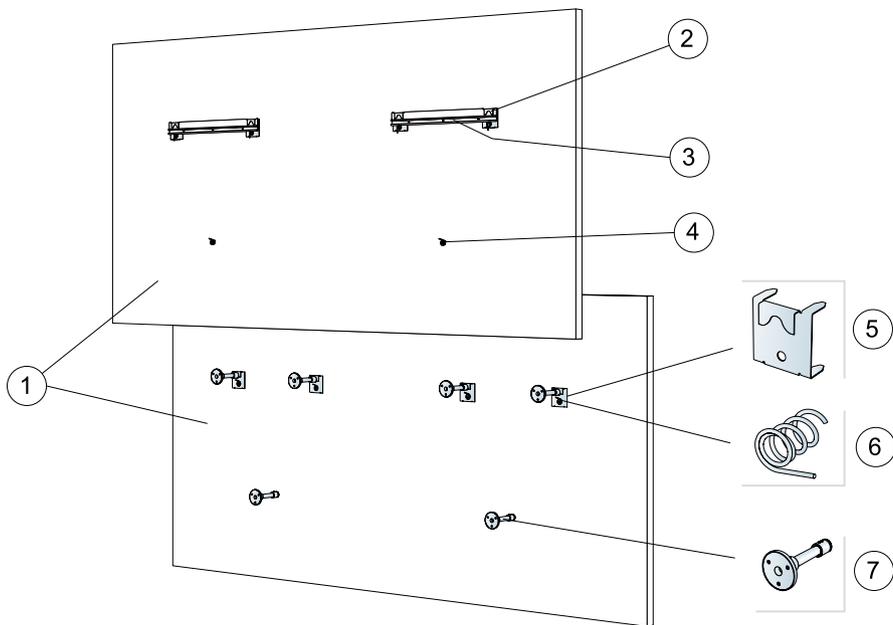


**MECHANICAL PROPERTIES** No additional live load is allowed.



**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M305) FOR ECOPHON SOLO RECTANGLE ON WALL INSTALLED HORIZONTALLY

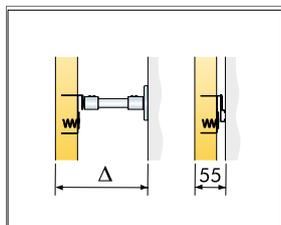


© Ecophon Group

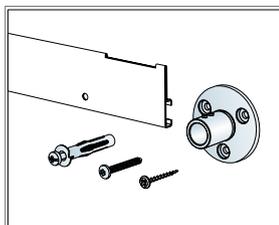
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>2400x1200</b>
1	Solo Rectangle	2,88m <sup>2</sup> /panel
2	Alt. 1 Connect Panel hook (Connect Spiral anchor flat incl. in package)	4/panel
3	Alt. 1 Connect Hook trim (2pcs Connect Spiral anchor flat incl. in package)	2/panel
4	Alt. 1 Connect Spiral anchor flat, used as spacer to wall (incl. in Connect Hook trim package)	2/panel
5	Alt. 2 Connect Panel hook (Connect Spiral anchor flat incl. in package)	4/panel
6	Alt. 2 Connect Spiral anchor flat, used to fix the panel hook in the panel (incl. in Connect Panel hook package)	4/panel
7	Alt. 2 Connect Distance hanger	6/panel

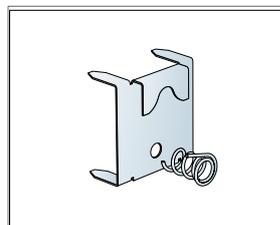
Δ Min. overall depth of system: 110 mm



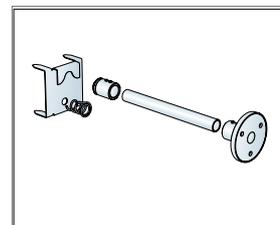
See Quantity specification



Fixing to the wall can be made with Connect screws or other common accessories

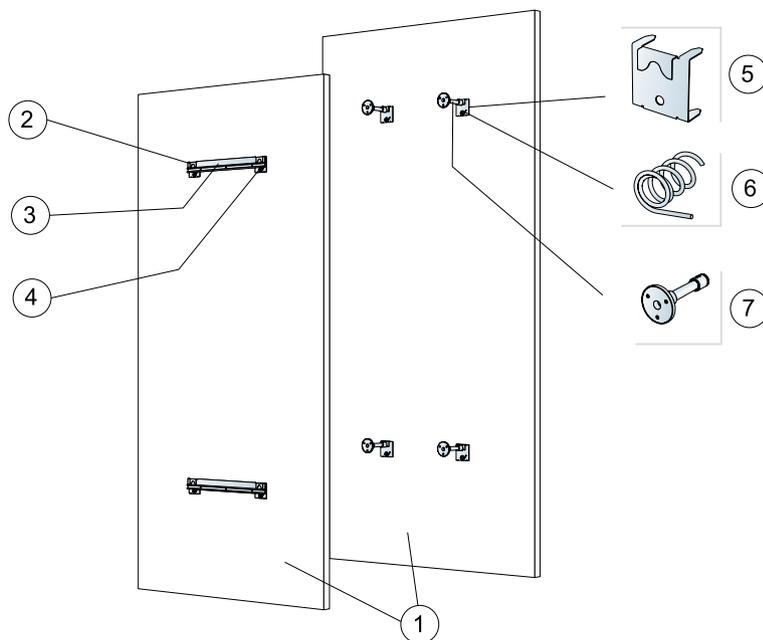


Connect Panel hook with Connect Spiral anchor flat



Installation with Connect Distance hanger

## INSTALLATION DIAGRAM (M306) FOR ECOPHON SOLO RECTANGLE ON WALL INSTALLED VERTICALLY

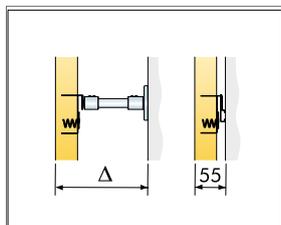


© Ecophon Group

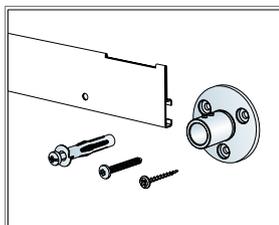
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>2400x1200</b>
1	Solo Rectangle	2,88m <sup>2</sup> /panel
2	Alt. 1 Connect Panel hook (Connect Spiral anchor flat incl. in package)	4/panel
3	Alt. 1 Connect Hook trim (2pcs Connect Spiral anchor flat incl. in package)	2/panel
4	Alt. 1 Connect Spiral anchor flat (incl. in Connect Panel hook package)	4/panel
5	Alt. 2 Connect Panel hook (Connect Spiral anchor flat incl. in package)	4/panel
6	Alt. 2 Connect Spiral anchor flat, used to fix the panel hook in the panel (incl. in Connect Panel hook package)	4/panel
7	Alt. 2 Connect Distance hanger	4/panel

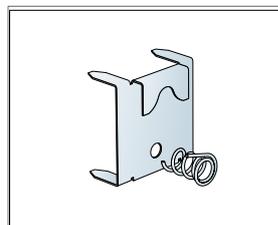
Δ Min. overall depth of system: 110 mm



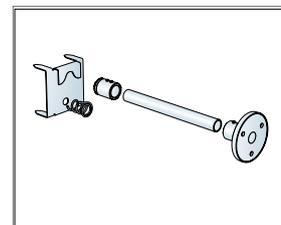
See Quantity specification



Fixing to the wall can be made with Connect screws or other common accessories



Connect Panel hook with Connect Spiral anchor flat



Installation with Connect Distance hanger





# Ecophon Solo™ Circle



Ecophon Solo Circle is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Circle is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Circle is an unframed free hanging unit offering a high degree of design possibilities both regarding colours and suspension systems. The three different suspension systems using Adjustable wire hangers, Rigid hanger or Adjust brackets in combination with the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers and angles.

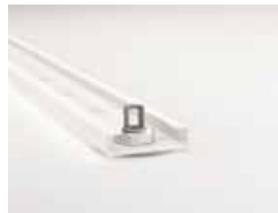
The Ecophon Solo Circle tile is available in size Ø1200x40 mm with a weight of 4,5 kg or Ø800x40 mm with a weight of 2kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Rigid hanger and Connect Absorber anchor



Suspension with Connect Adjust bracket

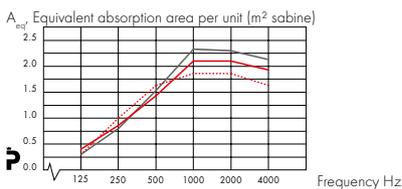
## SYSTEM RANGE

Size, mm		
	800	1200
	x	x
	800	1200
Special Fixing	•	•
Thickness	40	40
Inst. Diagr.	M292	M282

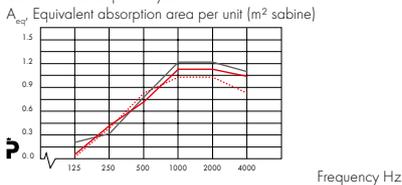
## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



— Ecophon Solo Circle Ø1200 / 1000 mm o.d.s.  
 — Ecophon Solo Circle Ø1200 / 400 mm o.d.s.  
 ···· Ecophon Solo Circle Ø1200 / 200 mm o.d.s.



— Ecophon Solo Circle Ø800 / 1000 mm o.d.s.  
 — Ecophon Solo Circle Ø800 / 400 mm o.d.s.  
 ···· Ecophon Solo Circle Ø800 / 200 mm o.d.s.

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/(m²lx). Glass < 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, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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.

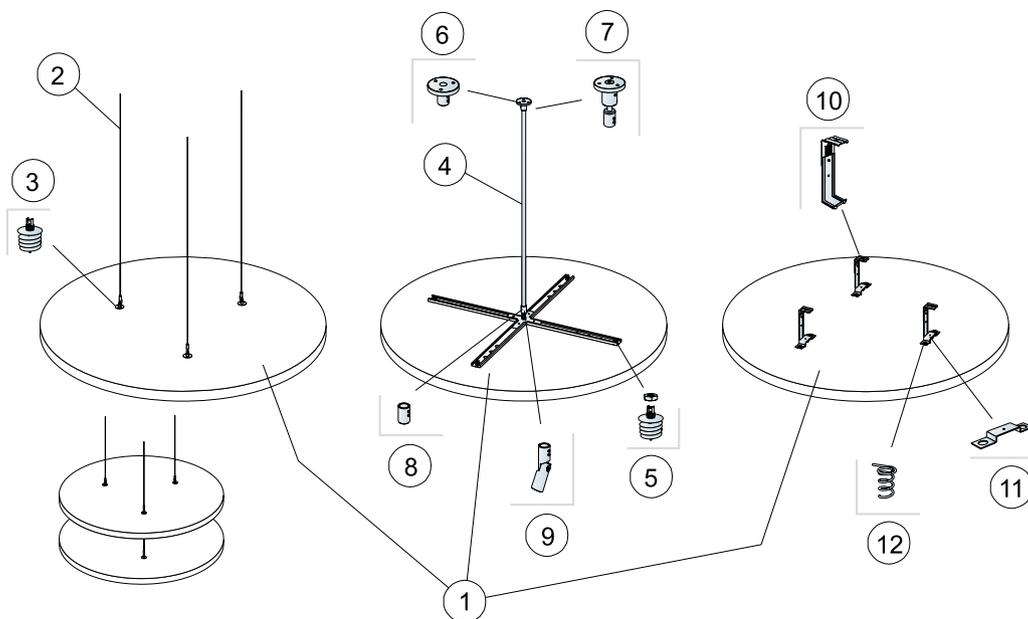
Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M282) FOR ECOPHON SOLO CIRCLE

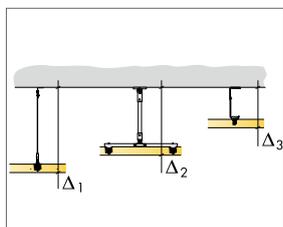


© Ecophon Group

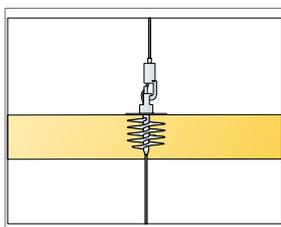
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>1200x1200</b>
1	Solo Circle	1,13m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Absorber anchor (Alt 1)	3/panel
4	Connect Rigid hanger (Alt 2)	1/panel
5	Connect Absorber anchor (Alt 2)	4/panel
6	Connect Soffit fixing (Alt 2)	1/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	1/panel
8	Connect Panel fixing (Alt 2)	1/panel
9	Alt. Connect Panel angle fixing (Alt 2)	1/panel
10	Connect Adjust bracket (Alt 3)	3/panel
11	Connect Fixing plate (Alt 3)	3/panel
12	Connect Spiral anchor flat (Alt 3)	6/panel

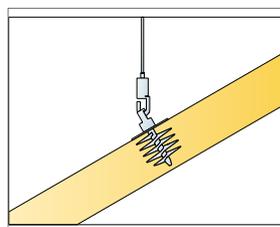
Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm



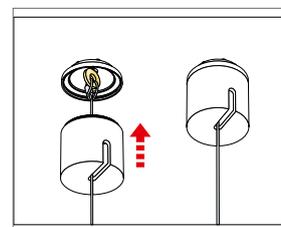
See Quantity specification



Panels can be suspended underneath each other

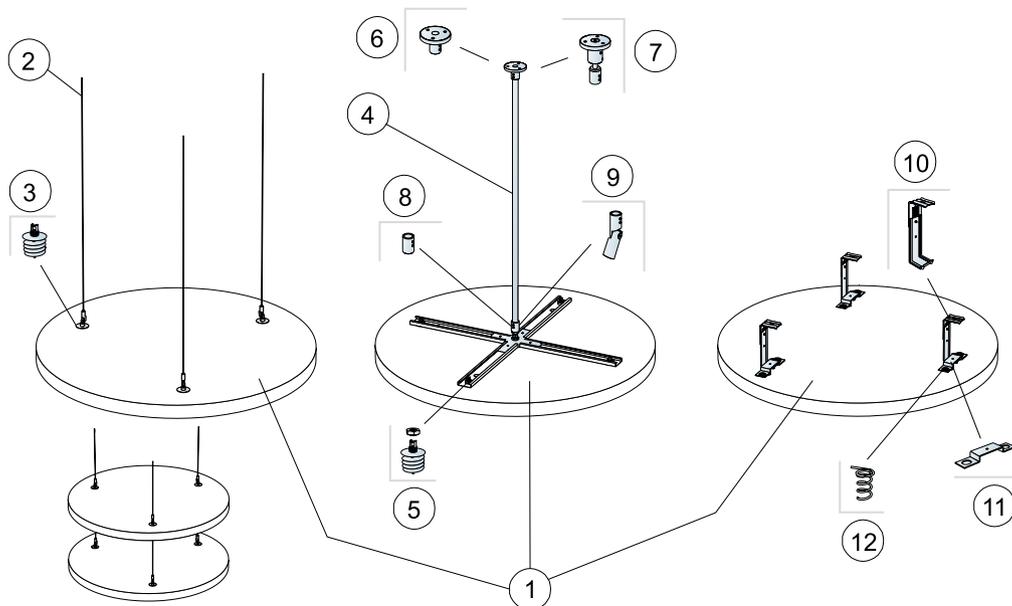


Panels can be installed in angles up to 60°



Installation of Connect Covering cup

## INSTALLATION DIAGRAM (M292) FOR ECOPHON SOLO CIRCLE

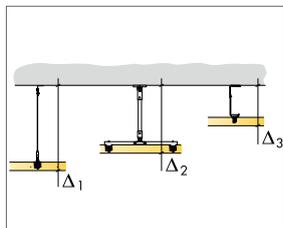


© Ecophon Group

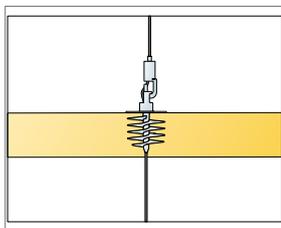
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>800x800</b>
1	Solo Circle	0,5m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Absorber anchor (Alt 1)	3/panel
4	Connect Rigid hanger (Alt 2)	1/panel
5	Connect Absorber anchor (Alt 2)	4/panel
6	Connect Soffit fixing (Alt 2)	1/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	1/panel
8	Connect Panel fixing (Alt 2)	1/panel
9	Alt. Connect Panel angle fixing (Alt 2)	1/panel
10	Connect Adjust bracket (Alt 3)	3/panel
11	Connect Fixing plate (Alt 3)	3/panel
12	Connect Spiral anchor flat (Alt 3)	6/panel

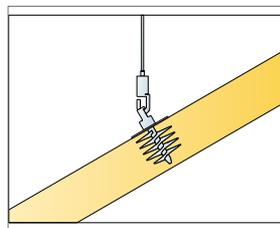
Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm



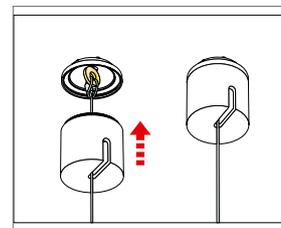
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles up to 60°



Installation of Connect Covering cup





# Ecophon Solo™ Circle on wall



To increase the sound absorption in the room this system gives you the possibility to install Ecophon Solo™ Circle on the wall. The systems give design possibilities, working with different layers and overlapping panels to create various patterns.

Two possibilities exist to fix Solo Circle on wall, either Connect™ Hook trim or Connect™ Distance hanger. The Solo Circle panel is available in size Ø1200x40mm with a weight of 4,5 kg or Ø800x40 mm with a weight of 2 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo™ Circle panel



Installation with Connect™ Hook trim and Connect™ Panel hook



Installation with Connect™ Distance hanger and Connect™ Panel hook



Connect Spiral anchor flat as spacer when Connect™ Hook trim is used

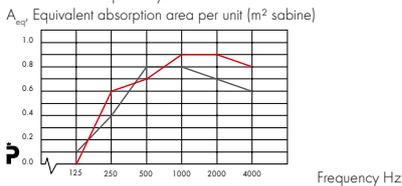
## SYSTEM RANGE

Size, mm	800 x 800	1200 x 1200
Special Fixing	•	•
Thickness	40	40
Inst. Diagr.	M320	M308

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



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). Glass < 1.

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

**INDOOR CLIMATE** Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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.

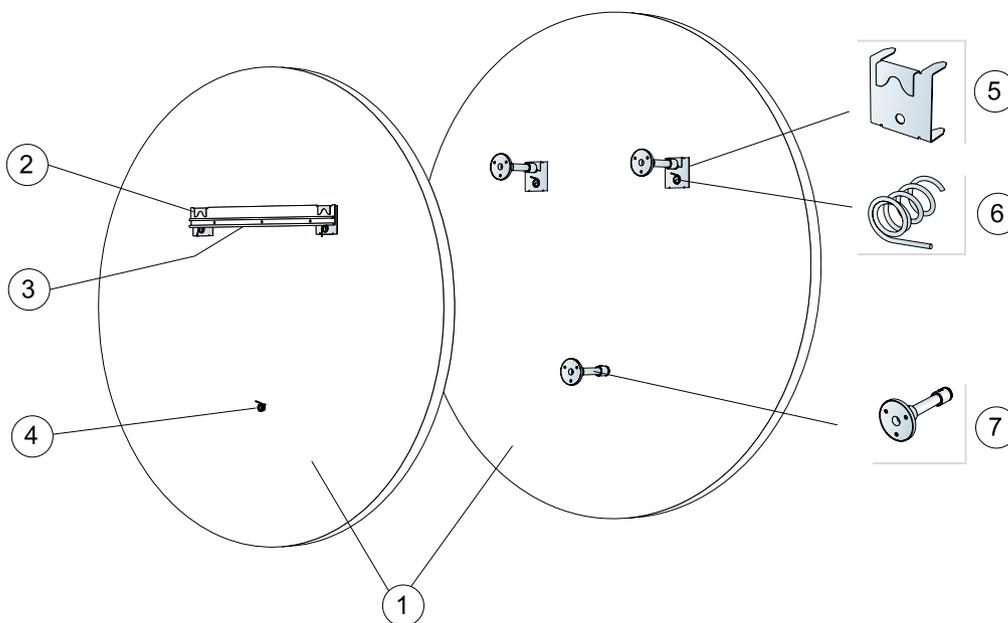
Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** No additional live load is allowed.

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M308) FOR ECOPHON SOLO CIRCLE ON WALL

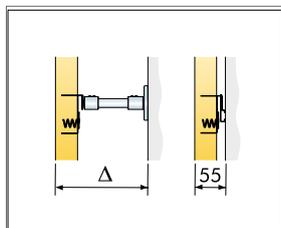


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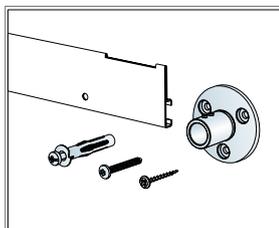
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>1200x1200</b>
1	Solo Circle	1,13m <sup>2</sup> /panel
2	Alt. 1 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
3	Alt. 1 Connect Hook trim (2pcs Connect Spiral anchor flat incl. in package)	1/panel
4	Alt. 1 Connect Spiral anchor flat, used as spacer to wall (incl. in Connect Hook trim package)	1/panel
5	Alt. 2 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
6	Alt. 2 Connect Spiral anchor flat, used to fix the panel hook in the panel (incl. in Connect Panel hook package)	2/panel
7	Alt. 2 Connect Distance hanger	3/panel

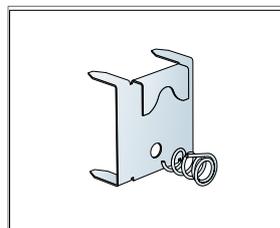
Δ Min. overall depth of system: 110 mm



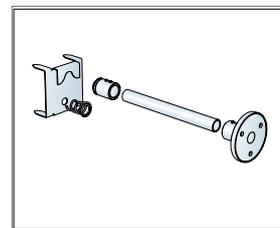
See Quantity specification



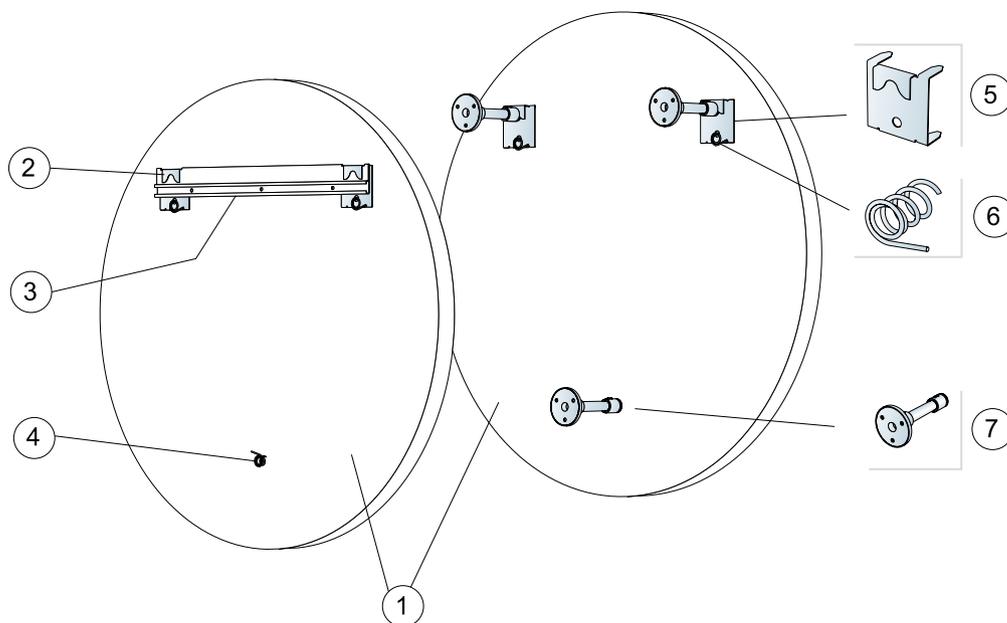
Fixing to the wall can be made with Connect screws or other common accessories



Connect Panel hook with Connect Spiral anchor flat



Installation with Connect Distance hanger

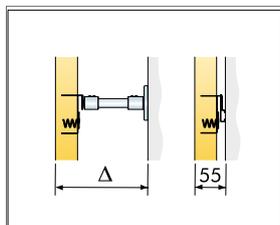


© Ecophon Group

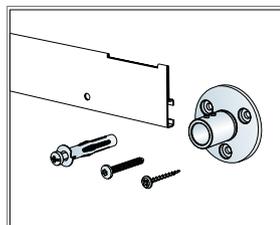
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>800x800</b>
1	Solo Circle	0,50m <sup>2</sup> /panel
2	Alt. 1 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
3	Alt. 1 Connect Hook trim (2pcs Connect Spiral anchor flat incl. in package)	1/panel
4	Alt. 1 Connect Spiral anchor flat, used as spacer to wall (incl. in Connect Hook trim package)	1/panel
5	Alt. 2 Connect Panel hook (Connect Spiral anchor flat incl. in package)	2/panel
6	Alt. 2 Connect Spiral anchor flat, used to fix the panel hook in the panel (incl. in Connect Panel hook package)	2/panel
7	Alt. 2 Connect Distance hanger	3/panel

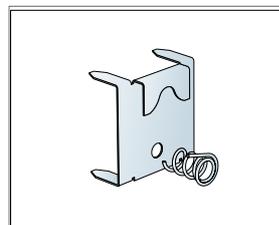
Δ Min. overall depth of system: 110 mm



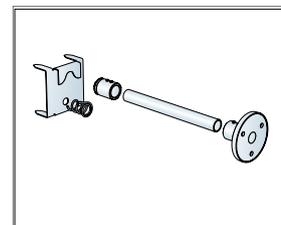
See Quantity specification



Fixing to the wall can be made with Connect screws or other common accessories



Connect Panel hook with Connect Spiral anchor flat



Installation with Connect Distance hanger





# Ecophon Solo™ Circle XL

Ecophon Solo Circle XL is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Circle XL is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Circle XL is an unframed free hanging unit. The unit is suspended with Adjustable wire hangers which are attached to Connect Main runners. This, in combination with, the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers.

The Solo Circle XL panel consists of two semicircles. The complete panel is available in size Ø1600x40 mm with a weight of 8 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Solo Circle XL panel



Rear side of Solo Circle XL



Solo Circle XL installation with Connect Absorber anchor

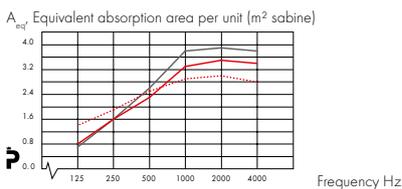
## SYSTEM RANGE

Size, mm	1600 x 1600
Special Fixing	•
Thickness	40
Inst. Diagr.	M290

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



— Ecophon Solo Circle XL Ø1600 / 1000 mm o.d.s  
 — Ecophon Solo Circle XL Ø1600 / 400 mm o.d.s  
 ···· Ecophon Solo Circle XL Ø1600 / 200 mm o.d.s.  
 o.d.s = overall depth of system

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/(m²lx). 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, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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.

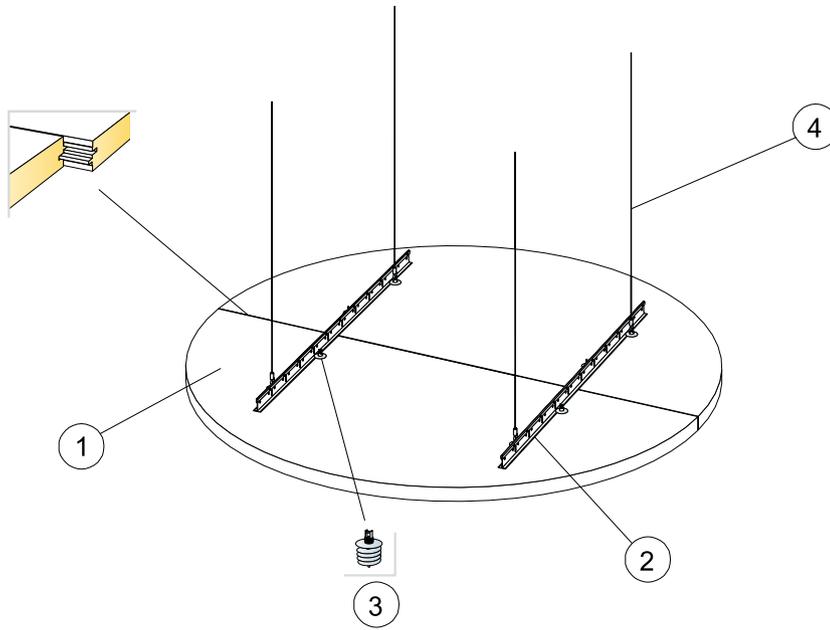
Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** No additional live load is allowed.

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

## INSTALLATION DIAGRAM (M290) FOR ECOPHON SOLO CIRCLE XL

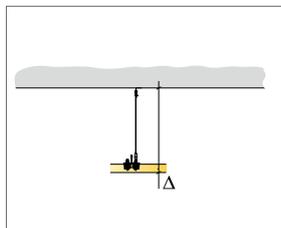


© Ecophon Group

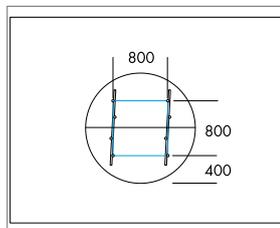
### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		<b>Size, mm</b>
		<b>1600x1600</b>
1	Solo Circle XL	2,01 m <sup>2</sup> /panel
2	Connect T24 Main runner	0,60/panel
3	Connect Absorber anchor	8/panel
4	Connect Adjustable wire hanger	4/panel

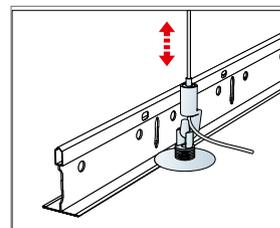
Δ Min. overall depth of system: Δ 190 mm



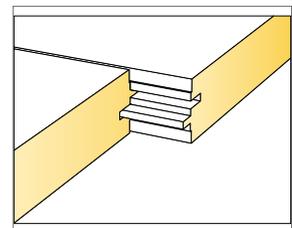
See Quantity specification



Suspension with Connect Adjustable wire hangers and Connect T24 Main runner



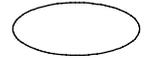
Easily adjustable suspension with Connect Adjustable wire hanger



Meeting between panels



# Ecophon Solo™ Ellipse



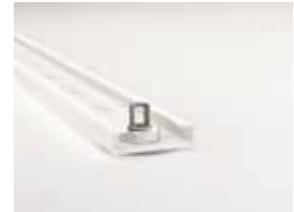
Ecophon Solo Ellipse is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Ellipse is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Ellipse is an unframed free hanging unit offering a high degree of design possibilities both regarding colours and suspension systems. The three different suspension systems using Adjustable wire hangers, Rigid hangers or Adjust brackets in combination with the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers and angles.

The Solo Ellipse panel is available in size 2400x1000x40 mm with a weight of 7,5 kg. The panel is manufactured from high density glass wool utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Rigid hanger and Connect Absorber anchor



Suspension with Connect Adjust bracket

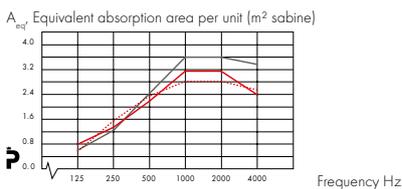
## SYSTEM RANGE

Size, mm	2400 x 1000
Special Fixing	•
Thickness	40
Inst. Diagr.	M291

## TECHNICAL PROPERTIES

**ACOUSTIC** The values in the diagram refer to 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.



— Ecophon Solo Ellipse 2400x1000 / 1000 mm o.d.s  
 — Ecophon Solo Ellipse 2400x1000 / 400 mm o.d.s  
 ···· Ecophon Solo Ellipse 2400x1000 / 200 mm o.d.s.  
 o.d.s = overall depth of system

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/(m²lx). 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, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. Granted the Nordic Swan eco-label. Fully recyclable.

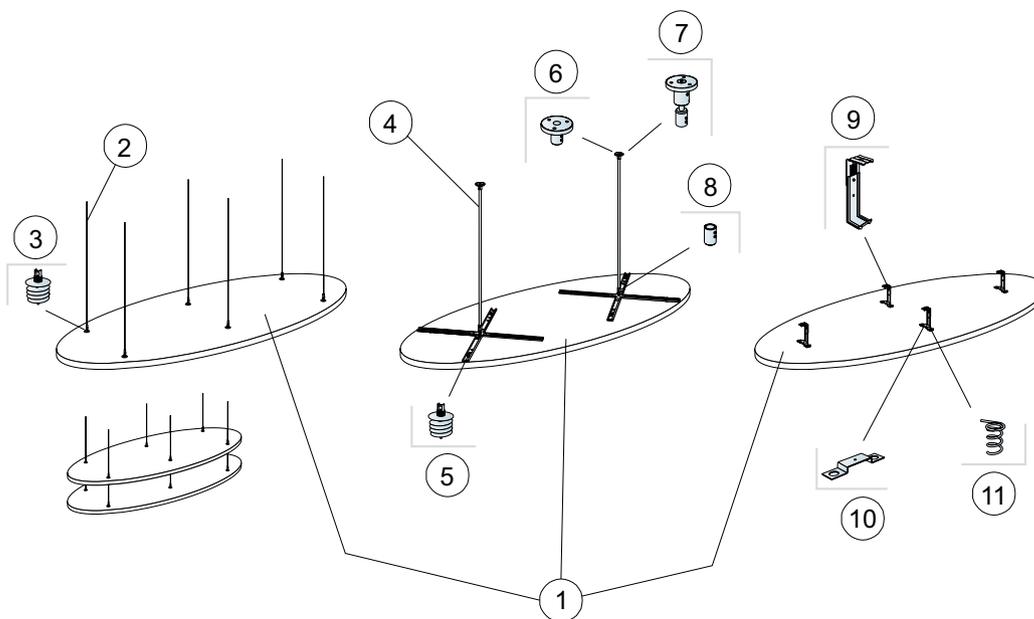
**FIRE SAFETY** The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.

Reaction-to-fire classification

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

**MECHANICAL PROPERTIES** The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

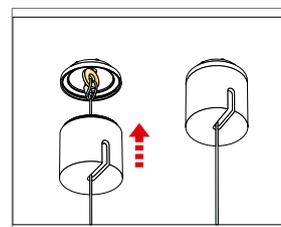
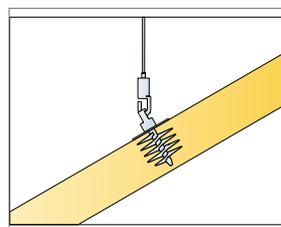
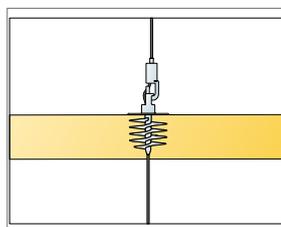
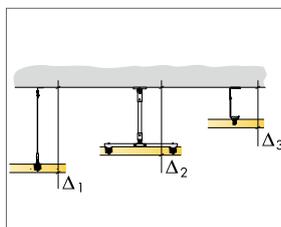


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QUANTITY SPECIFICATION (EXCL. WASTAGE)

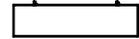
		<b>Size, mm</b>
		<b>2400x1000</b>
1	Solo Ellipse	1,89m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	6/panel
3	Connect Absorber anchor (Alt 1)	6/panel
4	Connect Rigid hanger (Alt 2)	2/panel
5	Connect Absorber anchor (Alt 2)	8/panel
6	Connect Soffit fixing (Alt 2)	2/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	2/panel
8	Connect Panel fixing (Alt 2)	2/panel
9	Connect Adjust bracket (Alt 3)	4/panel
10	Connect Fixing plate (Alt 3)	4/panel
11	Connect Spiral anchor flat (Alt 3)	8/panel

Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm





# Ecophon Solo™ Baffle



Ecophon Solo Baffles are acoustic solutions, primarily when it is not possible to install wall-to-wall ceilings. Baffles are suitable in buildings where the volume should be maintained, the natural light is brought into the room from skylights or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Different possibilities exist to suspend the baffles using Connect Baffle profile, Connect Adjustable wire hanger or Connect grid system. The systems consist of Ecophon Solo Baffles and Ecophon Connect accessories with an approximate weight of 2-3 kg/m. The baffles are manufactured from high density glass wool utilizing the 3RD Technology, with Akutex FT surface on both sides. The edges are straight cut and painted. Ecophon Solo Baffles are easily demountable systems.



Solo Baffle/anchor



Solo Baffle/anchor installation



Solo Baffle/hook



Solo Baffle/hook installation

## SYSTEM RANGE

Size, mm	1200 x 200	1200 x 300	1200 x 600
Special Fixing	•	•	•
Thickness	40	40	40
Inst. Diagr.	M232, M322	M232, M322	M232, M322

## TECHNICAL PROPERTIES

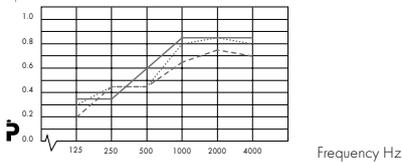
### ACOUSTIC

Sound Absorption: Test results according to EN ISO 354:2003

NOTE: Results shown are not comparable with results according to older versions of this standard due to discrepancies in test method.

Classification according to EN ISO 11654, and the single value ratings for NRC and SAA according to ASTM C 423.

$\alpha_p$  Practical sound absorption coefficient



- Ecophon Solo Baffle, 1200x600, spacing 600 mm, direct mounted
- Ecophon Solo Baffle, 1200x300, spacing 300 mm, direct mounted
- Ecophon Solo Baffle, 1200x200, spacing 300 mm, direct mounted

Product	Solo Baffle, c300		
	Solo Baffle, c600	300	200
o.d.s mm	600	300	200
absorption class	C	D	D
$\alpha_w$	0,60	0,55	0,55

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/(m²lx). 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).



**INDOOR CLIMATE** Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.



**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. 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	A2-s1,d0

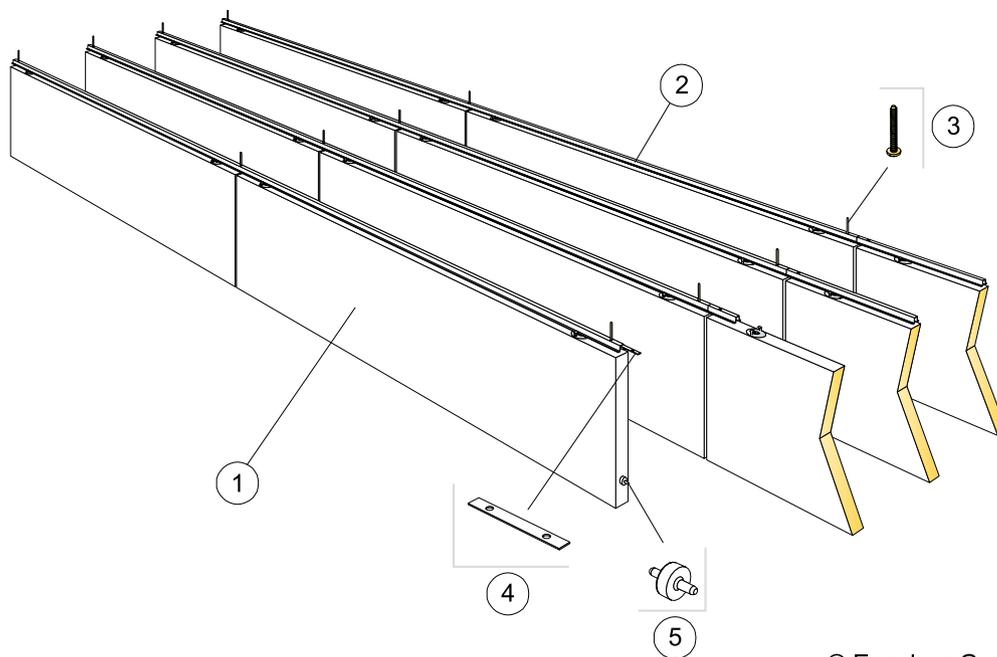


**MECHANICAL PROPERTIES** Additional live load has to be fixed to the soffit.



**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

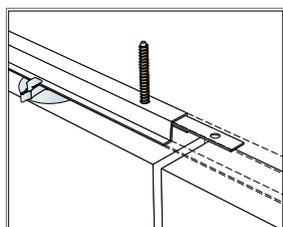
## INSTALLATION DIAGRAM (M232) FOR ECOPHON SOLO BAFFLE/ANCHOR



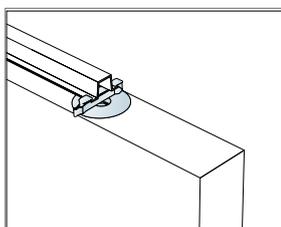
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

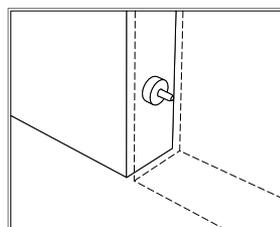
	Size, mm		
	1200x200	1200x300	1200x600
1 Solo Baffle/Anchor	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>
2 Connect Baffle Profile, installed at 300 mm centres	3,3m/m <sup>2</sup>	3,3m/m <sup>2</sup>	3,3m/m <sup>2</sup>
3 Connect Anchor Screw, fixed at 1200 mm centres	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>
4 Connect Profile connector, installed at 2400 mm centres	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>
5 Connect Guiding pin, installed at 1200 mm centres	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>



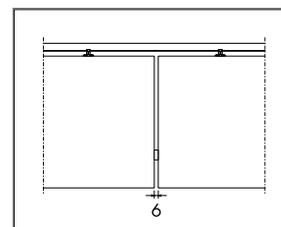
Fixing of Connect Profile connector



The baffles are secured with clips

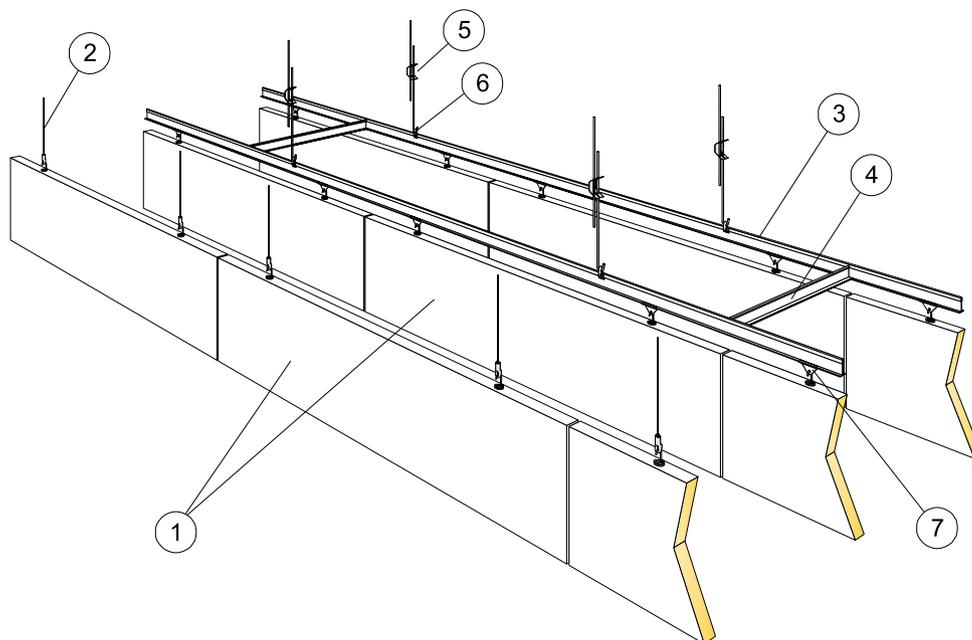


Connect Guiding pin, used to fix distance and level between panels



Distinct gap of 6 mm between baffles with Connect Guiding pin

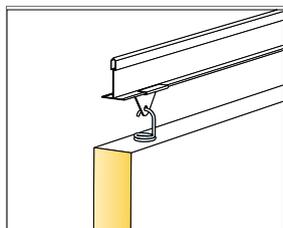
## INSTALLATION DIAGRAM (M322) FOR ECOPHON SOLO BAFFLE/HOOK



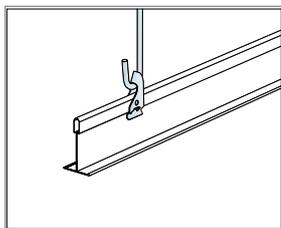
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

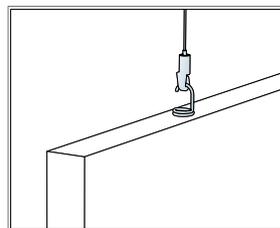
	Size, mm		
	1200x200	1200x300	1200x600
1 Solo Baffle/Hook	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>
2 Connect Adjustable wire hanger (Alt 1)	2/panel	2/panel	2/panel
3 Connect T24 Main runner C3, installed at 600 mm centres (Alt 2)	1,7m/m <sup>2</sup>	1,7m/m <sup>2</sup>	1,7m/m <sup>2</sup>
4 Connect T24 Cross tee C3 9103, L=600 mm, installed at 1800 mm centres (Alt 2)	0,6m/m <sup>2</sup>	0,6m/m <sup>2</sup>	0,6m/m <sup>2</sup>
5 Connect Adjustable hanger (Alt 2)	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>
6 Connect Hanger clip (Alt 2)	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>	1,4/m <sup>2</sup>
7 Connect Baffle clip C3 (Alt 2)	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>	2,8/m <sup>2</sup>



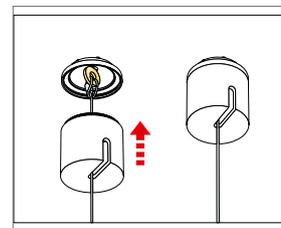
Detail of suspension



Suspension with adjustable hanger and clip



Suspension with Connect Adjustable wire hanger







Photographer: Anastasia Kazakova



Photographer: Timo Juku



Photographer: Patrick Saloñ



Photographer: Faraday Fotographic Ltd



Photographer: Faraday Photographic Ltd



Photographer: Peter Bliet Fotografie Nijmegen



Photographer: Anna Asriyantz



Photographer: Kevin Mason



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)



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