

Ecophon Solo™

Experiencing freedom of expression



Bring the outdoors in

to enhance wellbeing and performance

Over hundreds of thousands of years, our ears have evolved for us to hear perfectly outdoors, in nature. But today most of us spend up to 90 per cent of our time indoors. For more than 50 years Ecophon has been on a mission to spread awareness of the importance of creating indoor environments that resemble what we experience in nature.

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

Pleasing to the eye, the ear and the mind

Ecophon offers acoustic solutions for all types of indoor environments. We focus on pleasing the ear, but understand that to please the mind, we also have to please the eye with inspiring design. We therefore offer a complete collection of acoustic ceilings, free-hanging units, wall panels and screens; all to give you the opportunity to create the atmosphere you desire.

The sustainable choice

The excellent sound absorption of our products is achieved by the unique properties of the core material; glass wool. It consists of more than 70% recycled glass, making the environmental footprint small. In addition, the lightweight properties ensure that the absorbers are not only easy to handle during installation, it also minimizes fuel consumption during transportation.

When it comes to the indoor environment you can rest assured that our acoustic solutions are certified according to international indoor climate standards. All our products contribute to a healthy working environment by minimizing dust particles and emissions, as well as being easy to clean and contributing to allergen-free environments.

Ecophon – a sound effect on people.

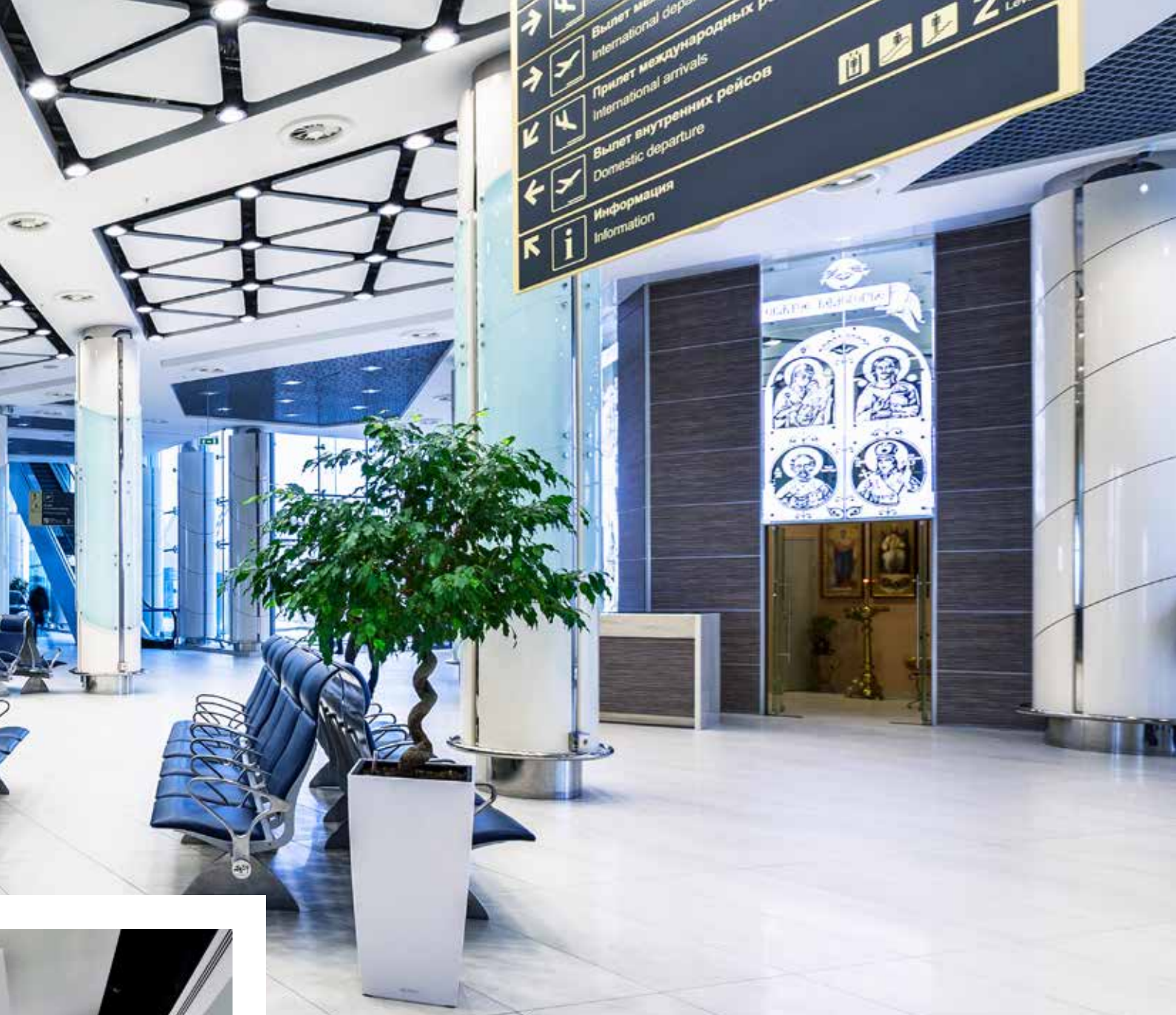


This publication shows products from Ecophon product range and those of other suppliers. The specifications are intended to provide a general guide to which products are most suitable for the preferences indicated. Technical data is based on results obtained under typical testing conditions or long experience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

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Simply the best

free-hanging sound absorber

Unlimited design and shape possibilities, supreme sound-absorbing qualities, superior surface on both sides, painted edges, lightweight, easy installation with patented accessories, multilevel opportunities, easy lighting integration, and a core made of glass wool which consists of more than 70% recycled glass. A true innovation that has revolutionised the market for sound absorbers.

Let your mind go free.





Grand designs

in great spaces

In some large spaces a wall-to-wall ceiling is not possible or practical. Sometimes you want to achieve a very special appearance. And sometimes you want to make a statement. Whatever the reason, Solo can help you create both acoustic comfort and a design that makes people stop and take a second look.





The freedom to be

absolutely unique

Let's be honest. It's fun and very satisfying to create something that has never been done before. The exceptional properties of Solo give you the opportunity to design panels with your own shapes. And since both sides have the same attractive surface, you can tilt the panels any way you want, further enhancing the atmosphere you want to achieve.



Getting down

to business

A lot of buildings are not acoustically optimised for their intended purpose. Here, a wall-to-wall ceiling is always the best start. But in some cases this is not practically achievable due to ductwork and other installations in the ceiling. And in others a wall-to-wall ceiling may not be enough. The versatility of Solo makes it the first choice for solving both problems.

If you cannot install a wall-to-wall ceiling, our tests show that 60 per cent coverage with Solo can achieve a good sound environment. The reason is that a free-hanging panel also absorbs sound that has bounced off the soffit and is on its way back down. However, a free-hanging solution doesn't absorb low-frequency sound as effectively as a full ceiling. You can solve this by combining Solo panels with Akusto Wall absorbers and Akusto Screen.



In areas where a lot of people are speaking at the same time, such as a call centre or in a restaurant, a wall-to-wall ceiling may not be enough to stop sound from spreading throughout the space, disturbing everybody in the vicinity. For these activities it is crucial to stop the sound as close to the source as possible. When you combine a wall-to-wall ceiling with lowered Solo panels directly above tables or desks, you dramatically reduce the overall sound level and sound propagation.

Activity Based Acoustic Design

Want to know more about how to design good acoustic environments? At ecophon.com/acoustic-solutions you can find recommendations for activities and spaces in many types of settings, such as offices, schools, healthcare facilities and TABS buildings.

Release your creativity

with shapes, colours and lighting

Ecophon Solo™ offers practically endless possibilities for creating your very own unique design. You can choose your own shape and colour, and emphasise your choice with integrated lighting.

Solo Regular, Solo Baffle and Solo Freedom

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

Lighting

As you can see in the images, there are lots of ways you can integrate lighting in your Solo design. The light-reflecting qualities of the Akutex™ surface will also help to distribute the light uniformly throughout the space.



Akutex™ FT colours



Akutex™ T colours



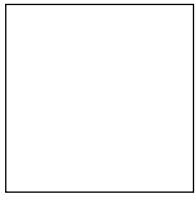
Inspiration for you

Want to see how others have used Solo? At ecophon.com/inspiration you can find lots of images of projects where Solo has helped to create a good acoustic environment.

Find out more

More information about all the possibilities with Solo can be found in the installation guide for each Solo shape and in the "Ecophon Solo™ Creation Guide". Installation guides are available to download on the product pages at ecophon.com and the creation guide can be ordered through your local Ecophon branch. At www.ecophon.com please, be advised that certain products may only be available in certain markets. Contact your local supplier for more information.

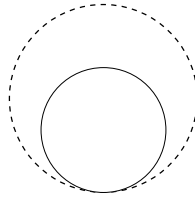
Solo standard shapes



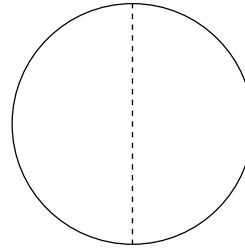
Ecophon Solo™ Square
Size: 1200x1200 mm



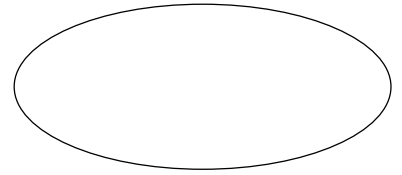
Ecophon Solo™ Rectangle
Size: 2400x1200 mm



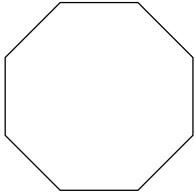
Ecophon Solo™ Circle
Size Ø: 800 mm, 1200 mm



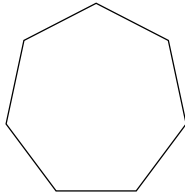
Ecophon Solo™ Circle XL
Size Ø: 1600 mm



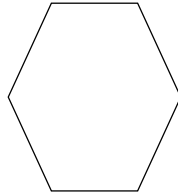
Ecophon Solo™ Ellipse
Size: 2400x1000 mm



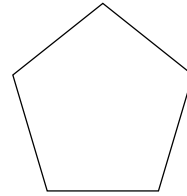
Ecophon Solo™ Octagon
Dimensions: 1200x1200 mm



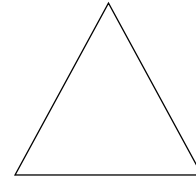
Ecophon Solo™ Heptagon
Dimensions: 1168x1198 mm



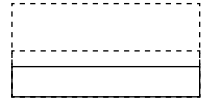
Ecophon Solo™ Hexagon
Dimensions: 1039x1200 mm



Ecophon Solo™ Pentagon
Dimensions: 1139x1197 mm

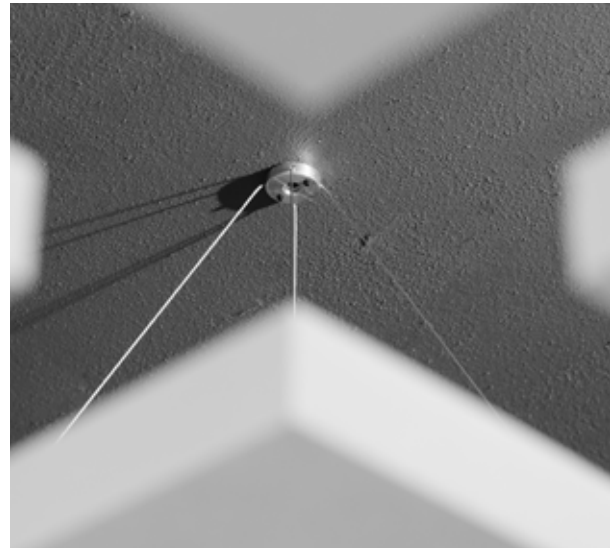


Ecophon Solo™ Triangle
Height: 1039 mm
Leg length: 1200 mm



Ecophon Solo™ Baffle
Sizes: 1200x200 mm,
1200x300 mm, 1200x600 mm





Fast and easy installation

lightweight panels and ingenious accessories

The advantages of Ecophon's core material, glass wool, are plenty. Among them is the fact that it is a very lightweight material, making installation easy and effortless. The light and resilient material is at the same time very robust, which enables it to be used in large panels, without any risk of sagging or the need for extra support. Its rigidity means you can also cut holes in glass wool panels without the risk of cracking or breaking. This allows the installation of luminaires in Solo panels. Basically it's just a matter of cutting a hole and attaching the luminaire.

Using Solo means that suspension fittings will be visible for everybody to see. It is therefore important that all the accessories not only do what they are supposed to, they also have to look good. Solo offers many stylish installation possibilities with the use of patented and patent-pending Connect accessories. The choice is all yours.



Want to see how easy it is?
Watch all the installation
examples on [youtube.com/
ecophonTV](https://www.youtube.com/ecophonTV) or [ecophon.com](https://www.ecophon.com).



Connect One-point fixing is the latest innovation when it comes to installing Solo. This solution only requires one hole in the soffit and two wires. It is unique, patent-pending, saves time and gives your installation a distinctive look.



The exclusive Connect Adjustable wire hanger kit is an elegant solution that hides the fixing in the soffit. The hook that connects the wire to the Absorber anchor has a locking mechanism, making the installation extra safe.



Connect Absorber anchor is the patented screw that enables the smooth installation of Solo. It is easy to screw into the panel and the flat-top design makes it more or less stop by itself when it has reached the right depth. The panel is then easily hung by coupling it with a Connect Adjustable hook.



If you want a more rigid, direct fixing, Connect Adjustable bracket is the choice. Together with Connect Panel fixing plate and Connect Spiral anchor you get a solid, secure and easy installation for depths of 121 - 192 mm.



The unique Connect Absorber anchor has a hollow centre. This gives you the opportunity to easily create multilevel installations, adding extra absorption in spaces with high soffits. Just pass the wire through the Absorber anchor and fasten it in the panel below, using a Connect Adjustable hook.



Connect Covering cup is a neat accessory that covers the fixing in the soffit. It is used with Connect Adjustable wire hanger, and the slot in the cup lets you use it even when you install Solo in a sloping ceiling.

Luminaires can be installed directly in Solo panels, without the risk of sagging or the need for extra support. The maximum load capacity is 2.5 kg, but since this weight varies somewhat between the different Solo shapes, be sure to check the installation guide for your shape before deciding on final integration. All installation guides are available at ecophon.com.



If you know the size of the luminaire you want to use, we can deliver the panels with the hole already cut out, with painted edges.

We recommend choosing a luminaire that doesn't leak light through openings on the top of the luminaire.



Ecophon Solo™ Square TECH

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, One-point fixing or Adjust brackets in combination with the engineered Connect™ Absorber anchor (patent) 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, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



Microsoft, Warsaw, Poland

SYSTEM RANGE



Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diag.	M362



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with One-point fixing



Suspension with Connect Adjust bracket



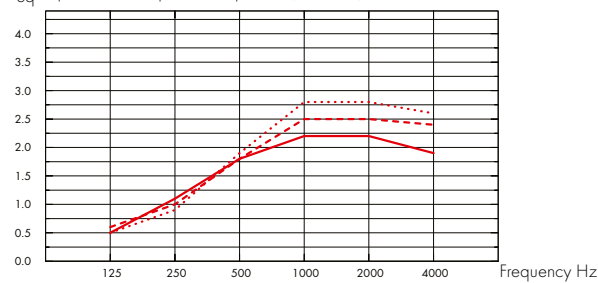
Acoustic

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.

A_{eq}, Equivalent absorption area per unit (m² sabin)



- Solo Square 1200x1200, 200 mm o.d.s.
 - - - Solo Square 1200x1200, 400 mm o.d.s.
 - ... Solo Square 1200x1200, 1000 mm o.d.s.
- o.d.s = overall depth of system

THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	0.50	1.10	1.80	2.20	2.20	1.90
40	400	0.60	1.00	1.80	2.50	2.50	2.40
40	1000	0.50	0.90	1.90	2.80	2.80	2.60



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 70% at 25°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label

Swedish Asthma and Allergy Association	•
Finnish M1	•

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



Environmental influence

Fully recyclable



CO₂

Kg CO₂ equiv/m²

2,97

From EPD in conformity with ISO 14025 / EN 15804



Fire safety

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

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



Mechanical properties

The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



Installation

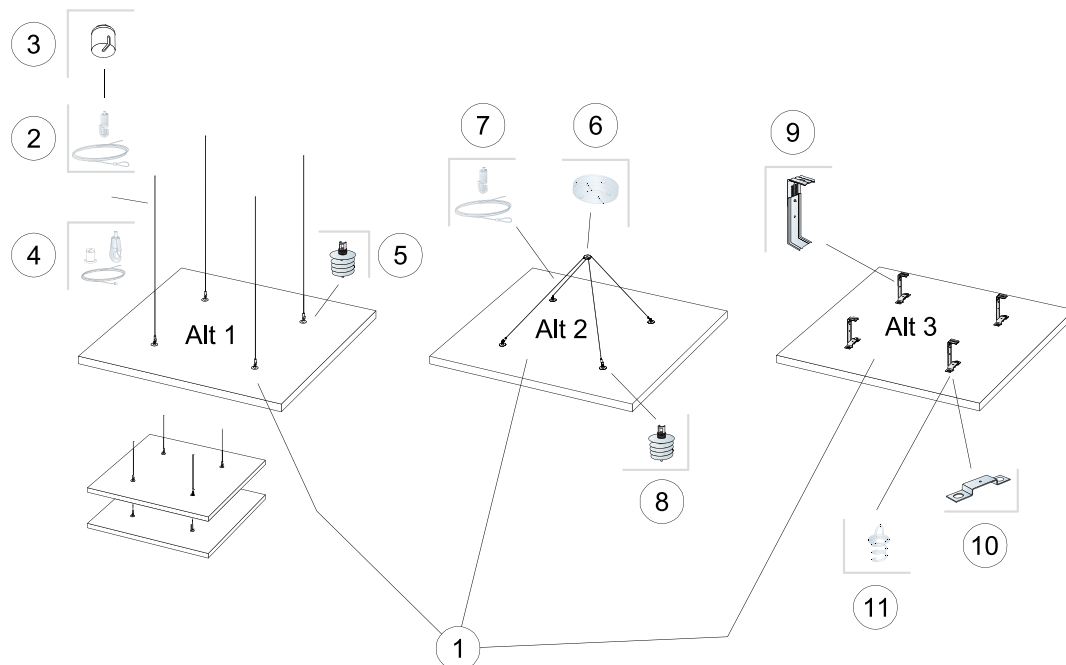
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

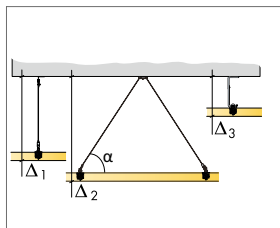
INSTALLATION DIAGRAM (M362) FOR ECOPHON SOLO SQUARE



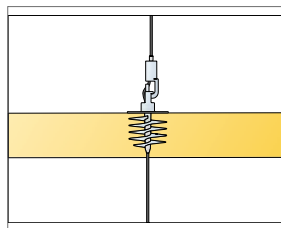
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Square	1,44m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	4/panel
3	Connect Covering cup (Alt 1, Optional)	4/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	4/panel
5	Connect Absorber anchor (Alt 1)	4/panel
6	Connect One-point fixing (Alt 2)	1/panel
7	Connect Adjustable wire hanger (Alt 2)	2/panel
8	Connect Absorber anchor (Alt 2)	4/panel
9	Connect Adjust bracket (Alt 3)	4/panel
10	Connect Panel fixing plate (Alt 3)	4/panel
11	Connect Spiral anchor (Alt 3)	8pcs/panel

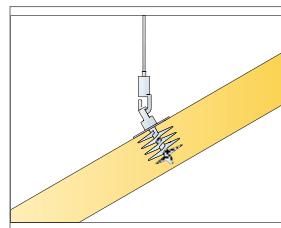
Δ Min. overall depth of system: Δ1 140 mm / Δ2 500 mm / Δ3 121 mm



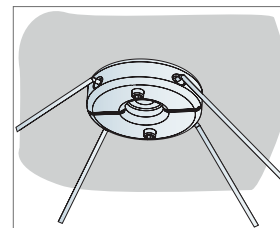
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles



Detail of One-point fixing

Ecophon Solo™ Rectangle TECH

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.

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, with Akutex™ FT surface on both sides. The edges are straight cut and painted.

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, One-point fixing or Adjust brackets in combination with the engineered Connect™ Absorber anchor (patent) give opportunities to create several layers and angles.



Astrinum, Hamburger Lloyd, Hamburg, Germany

SYSTEM RANGE



Size, mm	1800x1200	2400x1200
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diag.	M363	M363



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with One-point fixing



Suspension with Connect Adjust bracket



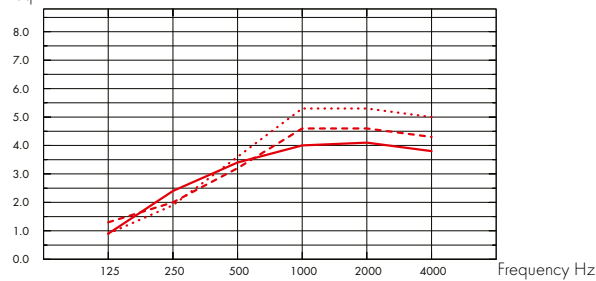
Acoustic

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:

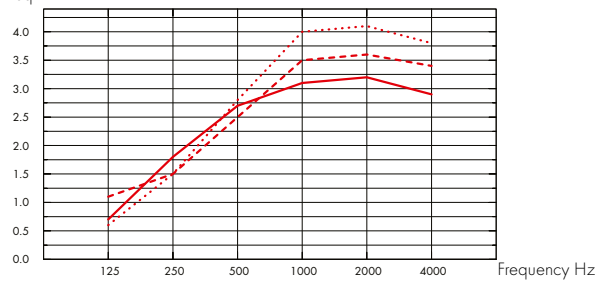
Test results according to EN ISO 354.

A_{eq}, Equivalent absorption area per unit (m² sabin)



- Solo Rectangle 1200x2400, 200 mm o.d.s.
 - - - Solo Rectangle 1200x2400, 400 mm o.d.s.
 - ... Solo Rectangle 1200x2400, 1000 mm o.d.s.
- o.d.s = overall depth of system

A_{eq}, Equivalent absorption area per unit (m² sabin)



- Solo Rectangle 1200x1800, 200 mm o.d.s.
 - - - Solo Rectangle 1200x1800, 400 mm o.d.s.
 - ... Solo Rectangle 1200x1800, 1000 mm o.d.s.
- o.d.s = overall depth of system

	THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1200x2400	40	200	0.90	2.40	3.40	4.00	4.10	3.80
1200x2400	40	400	1.30	2.00	3.20	4.60	4.60	4.30
1200x2400	40	1000	0.90	1.90	3.60	5.30	5.30	5.00
1200x1800	40	200	0.70	1.80	2.70	3.10	3.20	2.90
1200x1800	40	400	1.10	1.50	2.50	3.50	3.60	3.40
1200x1800	40	1000	0.60	1.50	2.80	4.00	4.10	3.80



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 70% at 25°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label	
Swedish Asthma and Allergy Association	•
Finnish M1	•

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



Environmental influence

Fully recyclable



CO₂

Kg CO ₂ equiv/m ²	7,96
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From EPD in conformity with ISO 14040



Fire safety

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

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



Mechanical properties

The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



Installation

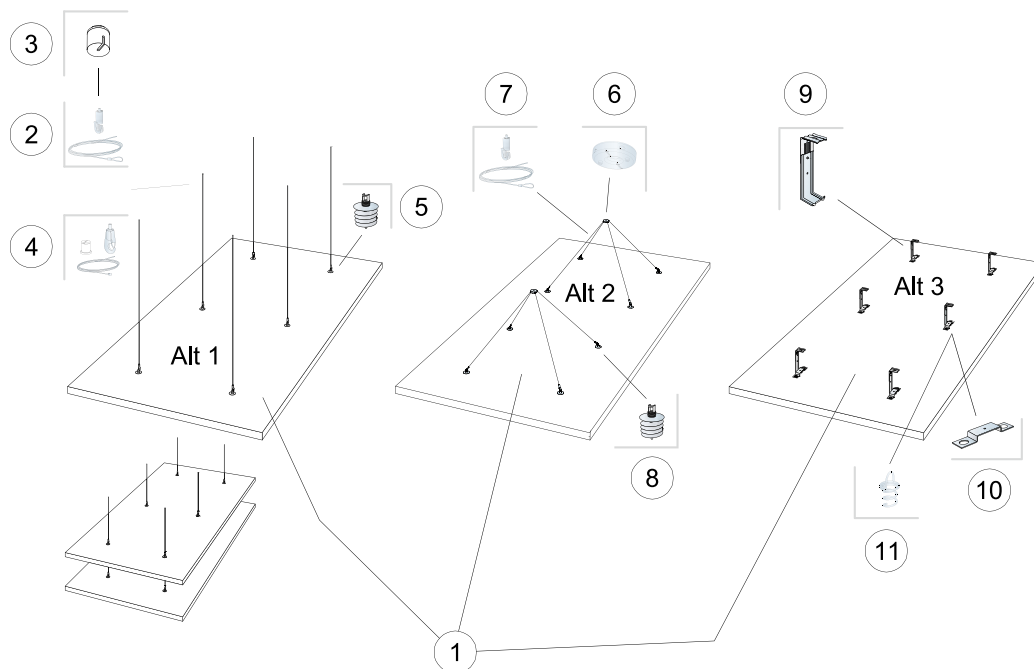
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

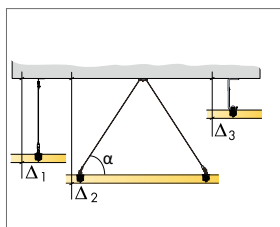
INSTALLATION DIAGRAM (M363) FOR ECOPHON SOLO RECTANGLE



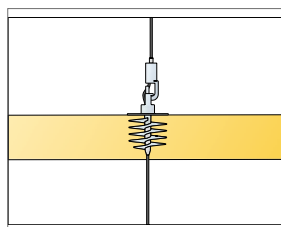
QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm	
	1800x1200	2400x1200
1 Solo Rectangle	2,16m ² /panel	2,88m ² /panel
2 Connect Adjustable wire hanger (Alt 1)		6/panel
3 Connect Covering cup (Alt 1, Optional)		6/panel
4 Connect Adjustable wire kit (Alt 1, Optional)		6/panel
5 Connect Absorber anchor (Alt 1)		6/panel
6 Connect One-point fixing (Alt 2)		2/panel
7 Connect Adjustable wire hanger (Alt 2)		4/panel
8 Connect Absorber anchor (Alt 2)		8/panel
9 Connect Adjust bracket (Alt 3)		6/panel
10 Connect Panel fixing plate (Alt 3)		6/panel
11 Connect Spiral anchor (Alt 3)		12pcs/panel

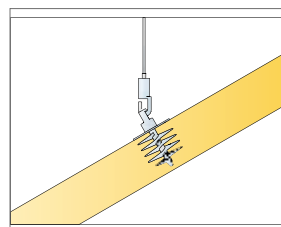
Δ Min. overall depth of system: Δ1 140 mm / Δ2 500 mm / Δ3 121 mm



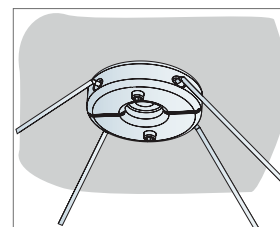
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles



Detail of One-point fixing

Ecophon Solo™ Circle TECH

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.

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, with Akutex™ FT surface on both sides. The edges are straight cut and painted.

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, One-point fixing or Adjust brackets in combination with the engineered Connect™ Absorber anchor (patent) give opportunities to create several layers and angles.



Bosch, Warsaw, Poland

SYSTEM RANGE



Size, mm	Ø800	Ø1200
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diagr.	M370	M364



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with One-point fixing



Suspension with Connect Adjust bracket

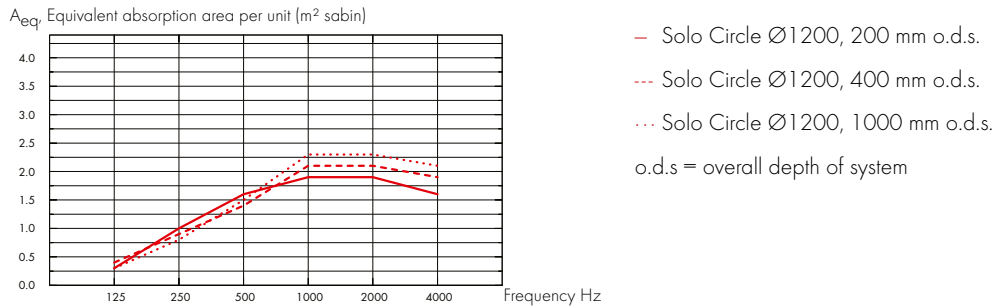
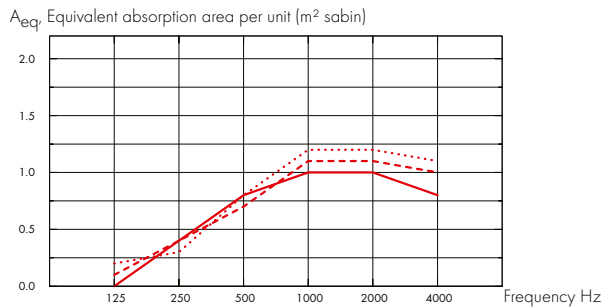


Acoustic

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.



	THK mm	o.d.s. mm	A _{eq} Equivalent absorption area per unit (m ² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø800	40	200	0.00	0.40	0.80	1.00	1.00	0.80
Ø800	40	400	0.10	0.40	0.70	1.10	1.10	1.00
Ø800	40	1000	0.20	0.30	0.80	1.20	1.20	1.10
Ø1200	40	200	0.30	1.00	1.60	1.90	1.90	1.60
Ø1200	40	400	0.40	0.90	1.40	2.10	2.10	1.90
Ø1200	40	1000	0.30	0.80	1.50	2.30	2.30	2.10



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 70% at 25°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label

Swedish Asthma and Allergy Association	•
Finnish M1	•

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



Environmental influence

Fully recyclable



CO₂

Kg CO ₂ equiv/m ²	2,97
-----------------------------------------	------

From EPD in conformity with ISO 14025 / EN 15804



Fire safety

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

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



Mechanical properties

The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



Installation

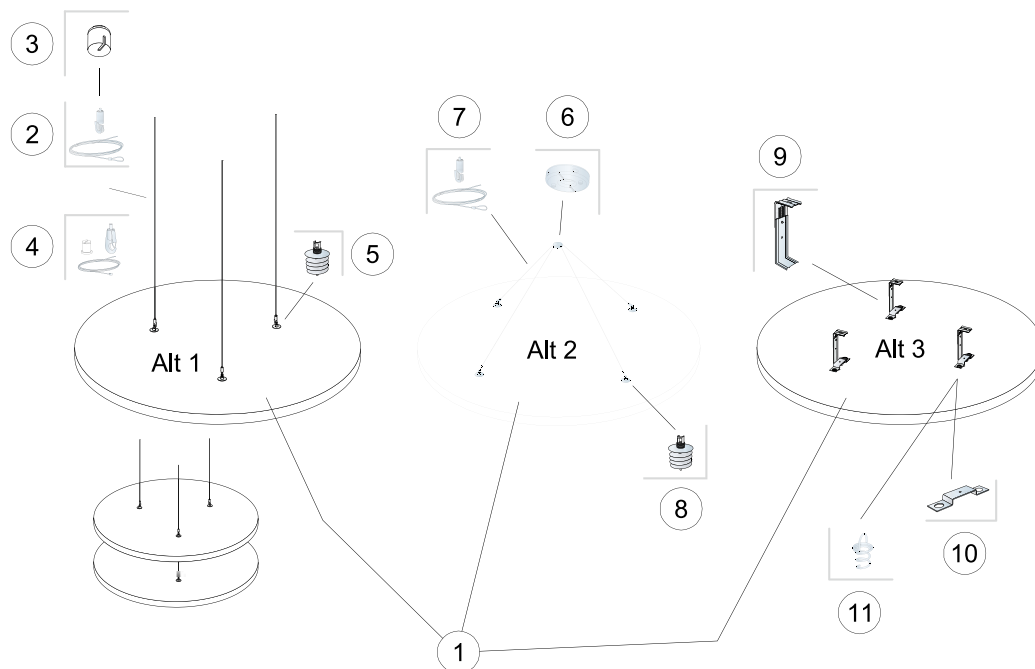
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

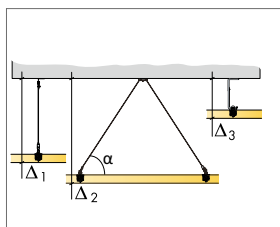
INSTALLATION DIAGRAM (M364) FOR ECOPHON SOLO CIRCLE



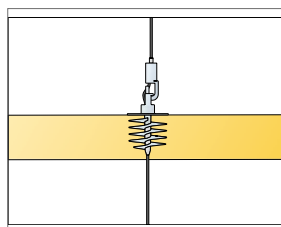
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Circle	1,13m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Covering cup (Alt 1, Optional)	3/panel
4	Connect Adjustable wire Kit (Alt 1, Optional)	3/panel
5	Connect Absorber anchor (Alt 1)	3/panel
6	Connect One-point fixing (Alt 2)	1/panel
7	Connect Adjustable wire hanger (Alt 2)	2/panel
8	Connect Absorber anchor (Alt 2)	4/panel
9	Connect Adjust bracket (Alt 3)	3/panel
10	Connect Panel fixing plate (Alt 3)	3/panel
11	Connect Spiral anchor (Alt 3)	6pcs/panel

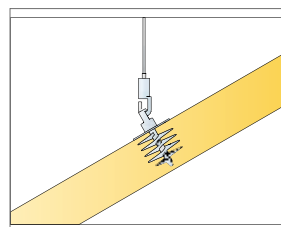
Δ Min. overall depth of system: Δ1 140 mm / Δ2 500 mm / Δ3 121 mm



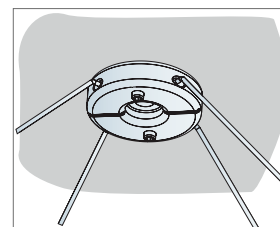
See Quantity specification



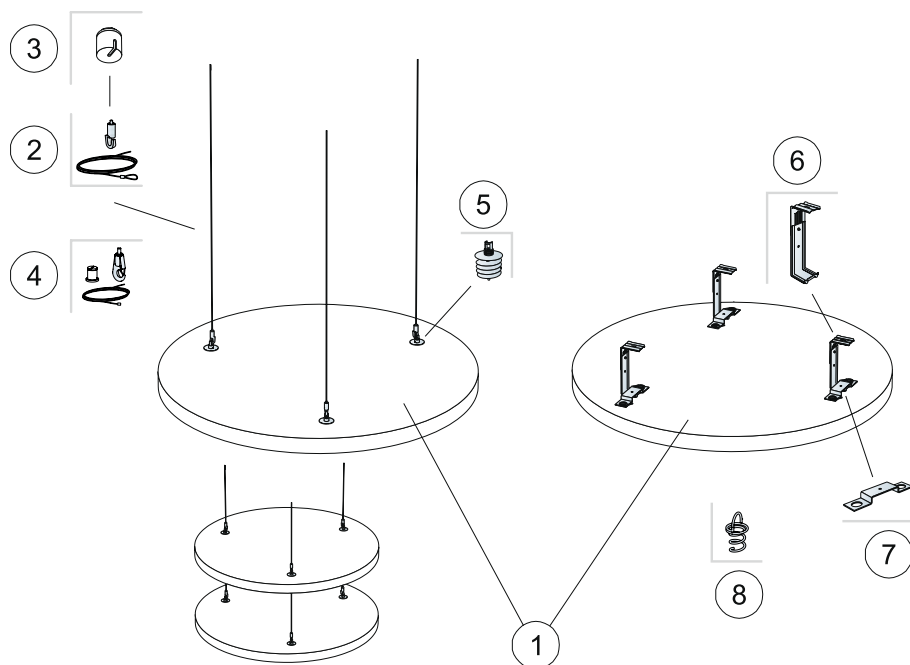
Panels can be suspended underneath each other



Panels can be installed in angles



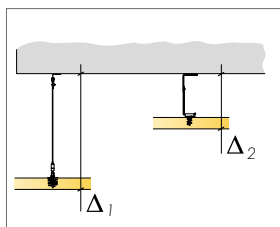
Detail of One-point fixing



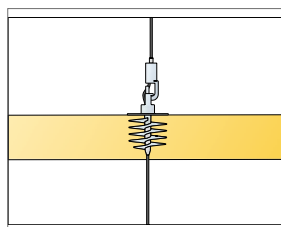
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		800x800
1	Solo Circle	0,5m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Covering cup (Alt 1, Optional)	3/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	3/panel
5	Connect Absorber anchor (Alt 1)	3/panel
6	Connect Adjust bracket (Alt 2)	3/panel
7	Connect Panel fixing plate (Alt 2)	3/panel
8	Connect Spiral anchor (Alt 2)	6pcs/panel

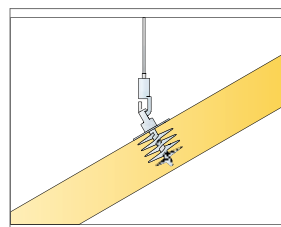
Δ Min. overall depth of system: Δ1 140 mm / Δ2 121 mm



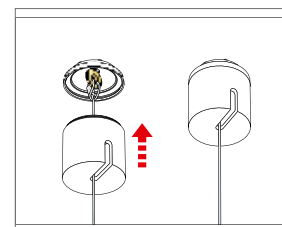
See Quantity specification



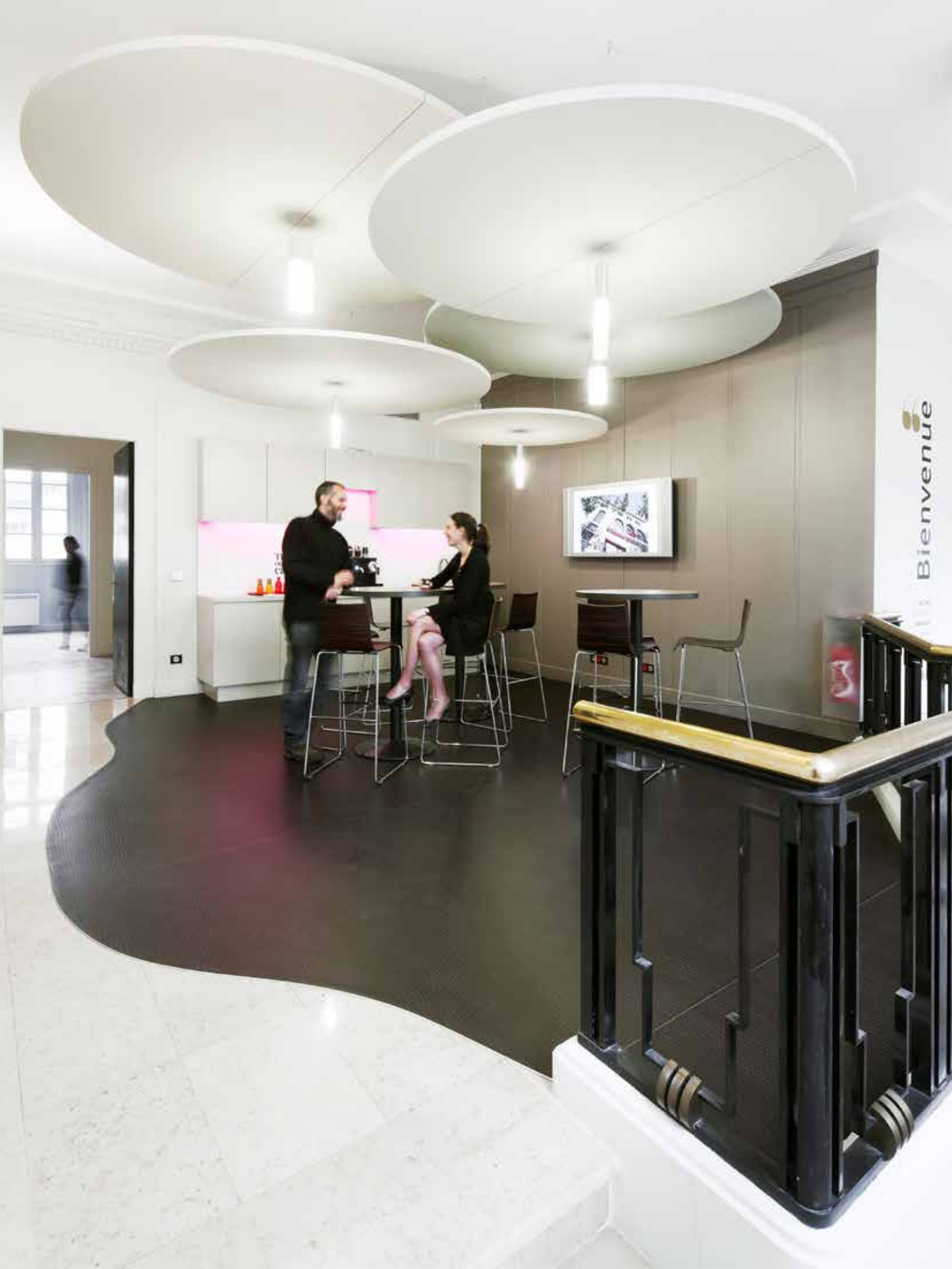
Panels can be suspended underneath each other



Panels can be installed in angles



Installation of Connect Covering cup



Bienvenue

Ecophon Solo™ Circle XL TECH

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) 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, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



YOO Communications AG, St. Gallen, Switzerland

SYSTEM RANGE



Size, mm	XL Ø1600
Special Fixing	•
Thickness (THK)	40
Inst. Diag.	M290



Solo Circle XL panel



Rear side of Solo Circle XL



Solo Circle XL installation with Connect Absorber anchor



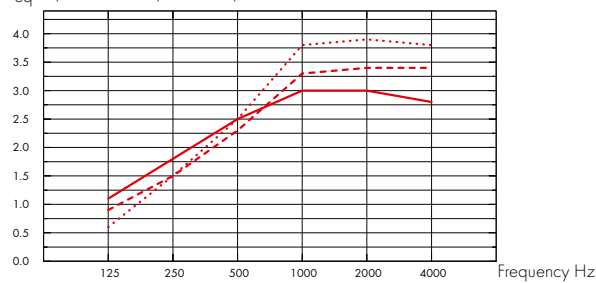
Acoustic

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.

A_{eq}, Equivalent absorption area per unit (m² sabin)



- Solo Circle XL, 200 mm o.d.s.
 - - - Solo Circle XL, 400 mm o.d.s.
 - ... Solo Circle XL, 1000 mm o.d.s.
- o.d.s = overall depth of system

THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	1.10	1.80	2.50	3.00	3.00	2.80
40	400	0.90	1.50	2.30	3.30	3.40	3.40
40	1000	0.60	1.50	2.50	3.80	3.90	3.80



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 70% at 25°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label

Swedish Asthma and Allergy Association	•
Finnish M1	•

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



Environmental influence

Fully recyclable



Fire safety

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

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



Mechanical properties

No additional live load is allowed.



Installation

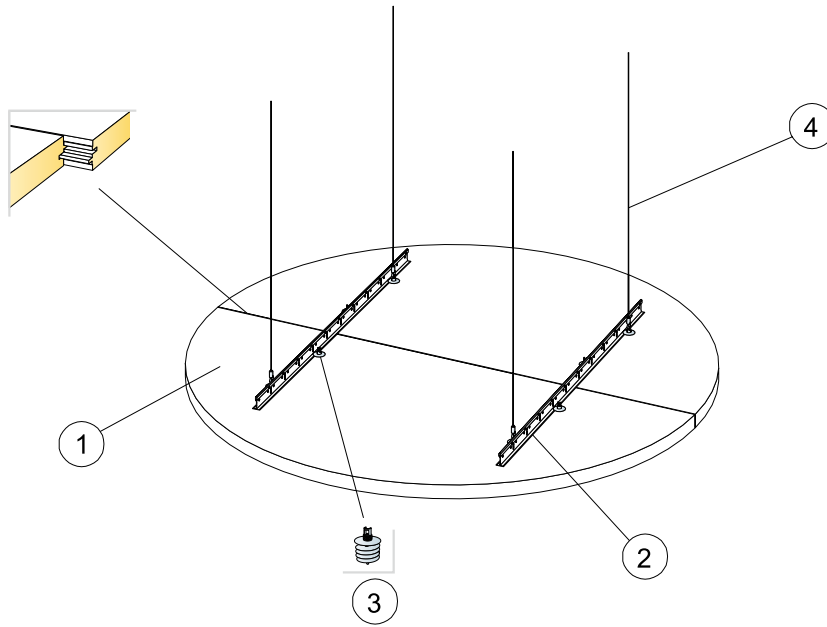
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

INSTALLATION DIAGRAM (M290) FOR ECOPHON SOLO CIRCLE XL

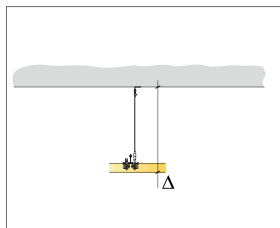


© Ecophon Group

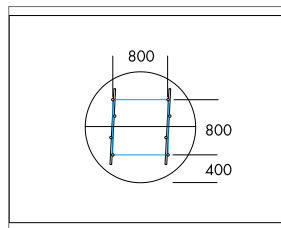
QUANTITY SPECIFICATION (EXCL. WASTAGE)

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

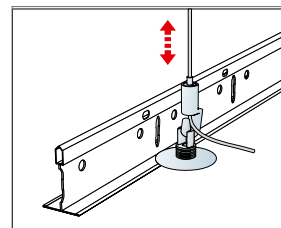
Δ Min. overall depth of system: Δ 190 mm



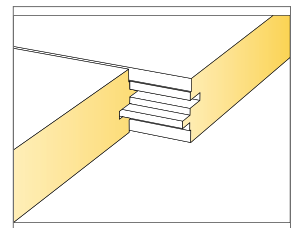
See Quantity specification



Suspension with Connect Adjustable wire hangers and Connect T24 Main runner



Easily adjustable suspension with Connect Adjustable wire hanger



Meeting between panels

Ecophon Solo™ Baffle TECH

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.

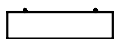
straight cut and painted. Ecophon Solo™ Baffles are easily demountable systems.

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™ Baffle/anchor or Solo™ Baffle/hook and Connect™ accessories with an approximate weight of 2-3 kg/m. The baffles are manufactured from high density glass wool, with Akutex™ FT surface on both sides. The edges are



Mall.ru, Russia

SYSTEM RANGE



Size, mm	1200x200	1200x300	1200x600
Special Fixing	•	•	•
Thickness (THK)	40	40	40
Inst. Diagr.	M232, M322	M232, M322	M232, M322



Solo Baffle/anchor



Solo Baffle/anchor installation



Solo Baffle/hook



Solo Baffle/hook installation



Acoustic

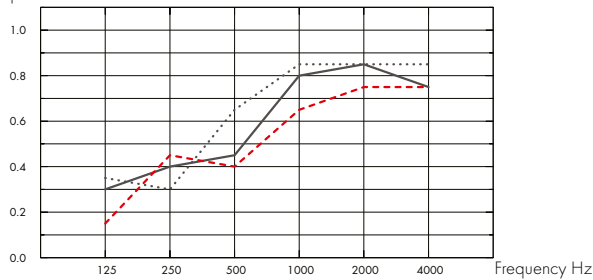
Sound Absorption:

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 Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

α_p Practical sound absorption coefficient



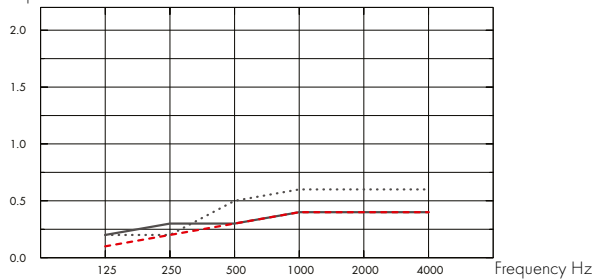
... Solo Baffle 1200x600 spacing 600mm, direct mounting

— Solo Baffle 1200x300, spacing 300mm, direct mounting

--- Solo Baffle 1200x200, spacing 300mm, direct mounting

o.d.s = overall depth of system

A_{eq} Equivalent absorption area per unit (m^2 sabin)



... Solo Baffle 1200x600

— Solo Baffle 1200x300

--- Solo Baffle 1200x200

o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p Practical sound absorption coefficient						α_w	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
c600	40	600	0.35	0.30	0.65	0.85	0.85	0.85	0.60	C
c300	40	300	0.30	0.40	0.45	0.80	0.85	0.75	0.55	D
c300	40	200	0.15	0.45	0.40	0.65	0.75	0.75	0.50	D

	THK mm	o.d.s. mm	A_{eq} Equivalent absorption area per unit (m^2 sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
c600	40	600	0.20	0.20	0.50	0.60	0.60	0.60
c600	40	300	0.20	0.30	0.30	0.40	0.40	0.40
c600	40	200	0.10	0.20	0.30	0.40	0.40	0.40



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 70% at 25°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label	
Swedish Asthma and Allergy Association	•
Finnish M1	•

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



Environmental influence

Fully recyclable



Fire safety

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

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



Mechanical properties

Additional live load has to be fixed to the soffit.



Installation

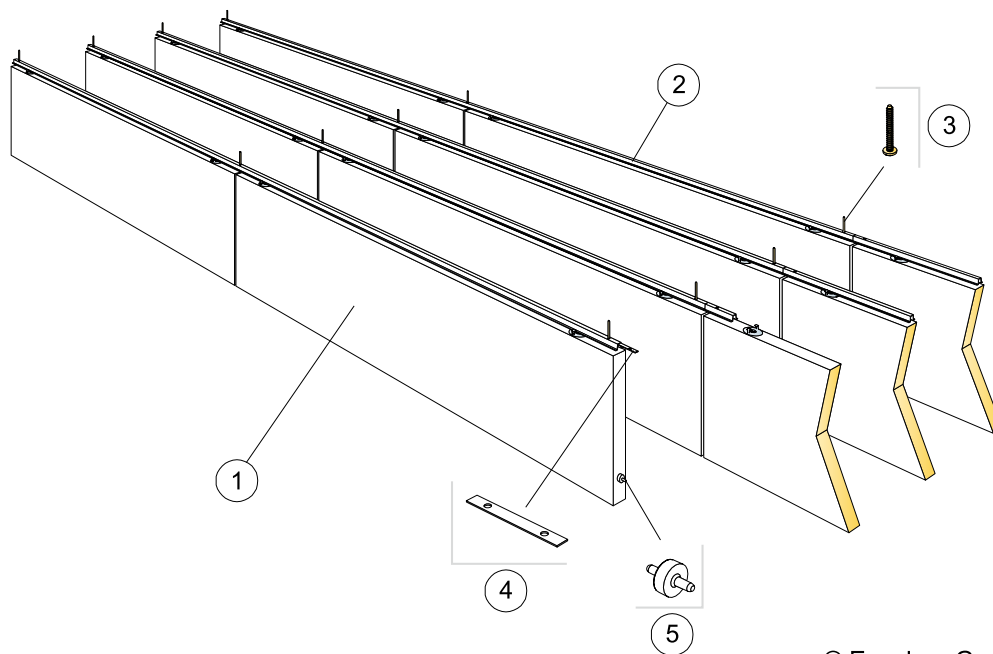
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

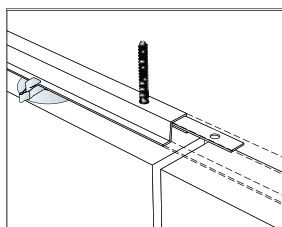
INSTALLATION DIAGRAM (M232) FOR ECOPHON SOLO BAFFLE/ANCHOR



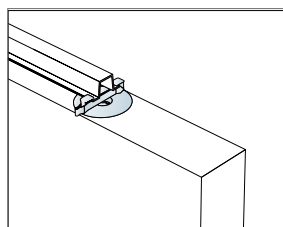
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

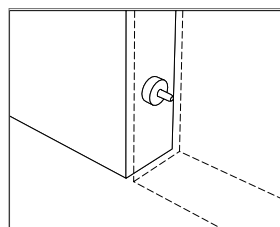
	Size, mm		
	1200x200	1200x300	1200x600
1 Solo Baffle/anchor	2,8/m ²	2,8/m ²	2,8/m ²
2 Connect Baffle profile, installed at 300 mm centres	3,3m/m ²	3,3m/m ²	3,3m/m ²
3 Connect Anchor screw, fixed at 1200 mm centres	2,8/m ²	2,8/m ²	2,8/m ²
4 Connect Profile connector, installed at 2400 mm centres	1,4/m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



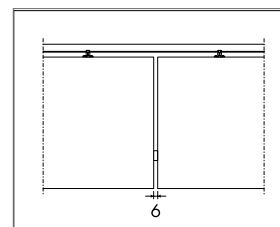
Fixing of Connect Profile connector



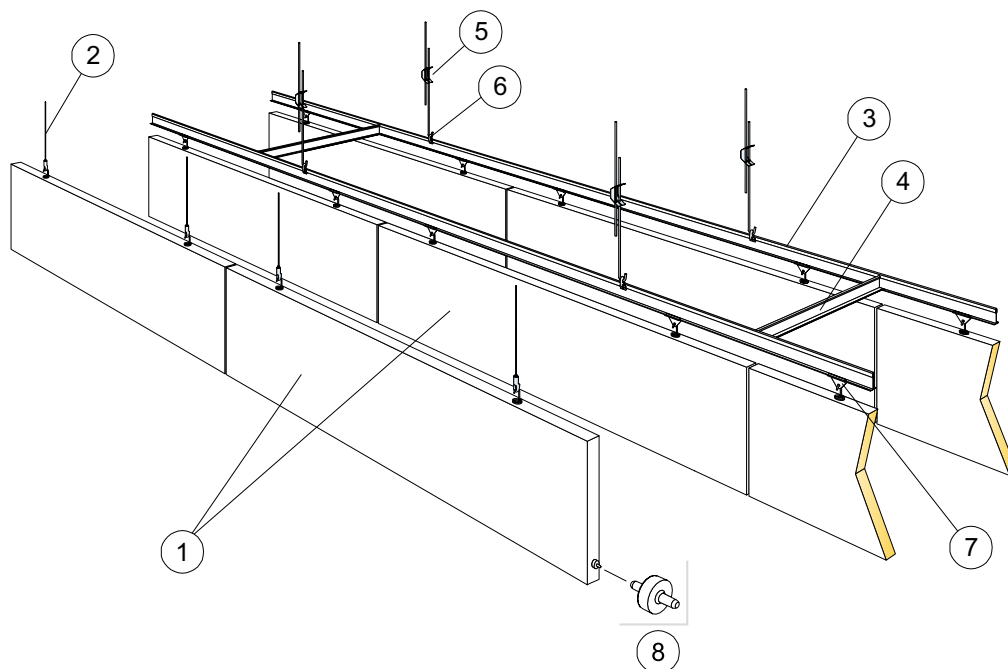
The baffles are secured with clips



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

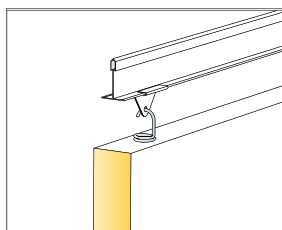


Distinct gap of 6 mm between baffles with Connect Guiding pin

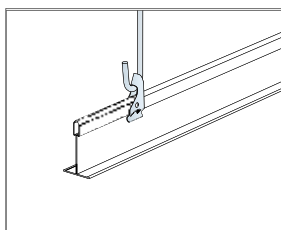


QUANTITY SPECIFICATION (EXCL. WASTAGE)

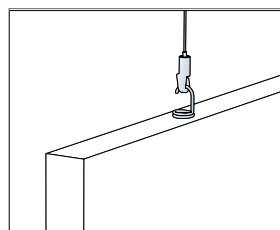
		Size, mm		
		1200x200	1200x300	1200x600
1	Solo Baffle/hook	1,4/m ²	1,4/m ²	1,4/m ²
2	Connect Adjustable wire hanger (Alt 1)	2/panel	2/panel	2/panel
3	Connect T24 Main runner, installed at 600 mm centres	1,7m/m ²	1,7m/m ²	1,7m/m ²
4	Connect T24 Cross tee, L=600 mm, installed at 1800 mm centres	0,6m/m ²	0,6m/m ²	0,6m/m ²
5	Connect Adjustable hanger (Alt 2) c1200	1,4/m ²	1,4/m ²	1,4/m ²
6	Connect Hanger clip	1,4/m ²	1,4/m ²	1,4/m ²
7	Connect Baffle clip	2,8/m ²	2,8/m ²	2,8/m ²
8	Connect Guiding pin, installed at 1200 mm centres	2,8/m ²	2,8/m ²	2,8/m ²



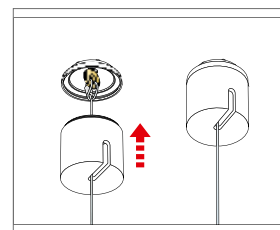
Detail of suspension



Suspension with adjustable hanger and clip



Suspension with Connect Adjustable wire hanger



Installation of Connect Covering cup



internet café

For the eye,
the ear and
the mind







Ecophon®

SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE

Ecophon is a leading supplier of acoustic solutions that contribute to a healthy indoor environment. Our efforts are guided by a vision of earning global leadership in room acoustic comfort through sound-absorbing systems, enhancing end-user performance and wellbeing.



With our roots in the Swedish soil, it comes naturally for Ecophon to think and behave as Swedes. Coming from a society where everyone's right to education, healthcare and a prosperous life are part of a common value ground, we have a human approach to our work. And with a continuous strive to improve the quality of life, we have taken the challenge to bring the outdoor conditions indoors, as they have a sound effect on people.

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