















Ecophon Solo™

Experiencing freedom of expression

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

- New perspective
- Shapes
- Possibilities

Product		Edge
Ecophon Solo™ Square	Free hanging unit, shaped as a square	
Ecophon Solo™ Rectangle	Free hanging unit, shaped as a rectangle	
Ecophon Solo™ Circle	Free hanging unit, shaped as a circle	
Ecophon Solo™ Circle XL	Free hanging unit, shaped as a circle (two parts)	
Ecophon Solo™ Freedom	Free hanging unit, shaped on request	<?xml ver-
Ecophon Solo™ Rectangle Line	A free hanging Solo Rectangle provided with a integrated recessed Line luminaire.	
Ecophon Solo™ Lite Square	Free hanging unit, shaped as a square	
Ecophon Solo™ Lite Rectangle	Free hanging unit, shaped as a rectangle	
Ecophon Solo™ Baffle	Vertically installed unframed baffles.	
Ecophon Solo™ Baffle Wave	Vertically installed unframed baffles.	
Ecophon Solo™ Baffle ZigZag	Vertically installed unframed baffles.	
Ecophon Solo™ Baffle Wall	Vertically installed unframed baffles.	
Ecophon Solo™ Textile	Free hanging unit with textile surface!	<?xml ver-
Ecophon Solo™ Circle Akutex HS	Water resistant free hanging unit, shaped as a circle	
Ecophon Solo™ Square Akutex HS	Water resistant free hanging unit, shaped as a square	
Ecophon Solo™ Rectangle Akutex HS	Water resistant free hanging unit, shaped as a rectangle	

Ecophon Solo™ Square

Solo Square is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.

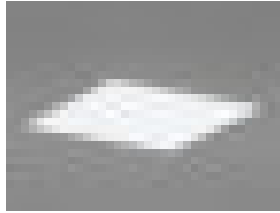


Inpol Papier, Bardo (Dolnoscielny), Poland

SYSTEM RANGE



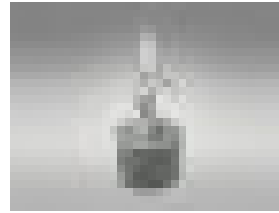
Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M402, M507



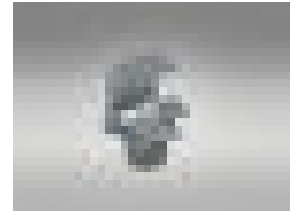
Solo Square



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor



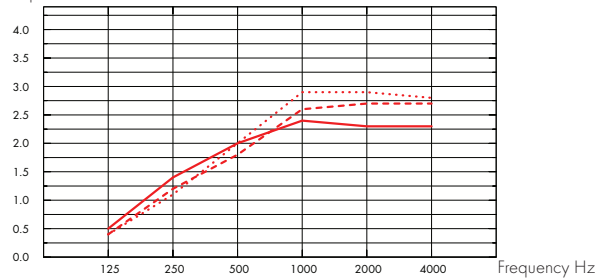
Acoustics

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	1.40	2.00	2.40	2.30	2.30
40	400	0.40	1.20	1.80	2.60	2.70	2.70
40	1000	0.40	1.10	2.00	2.90	2.90	2.80

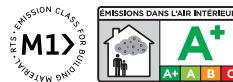


Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,21

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

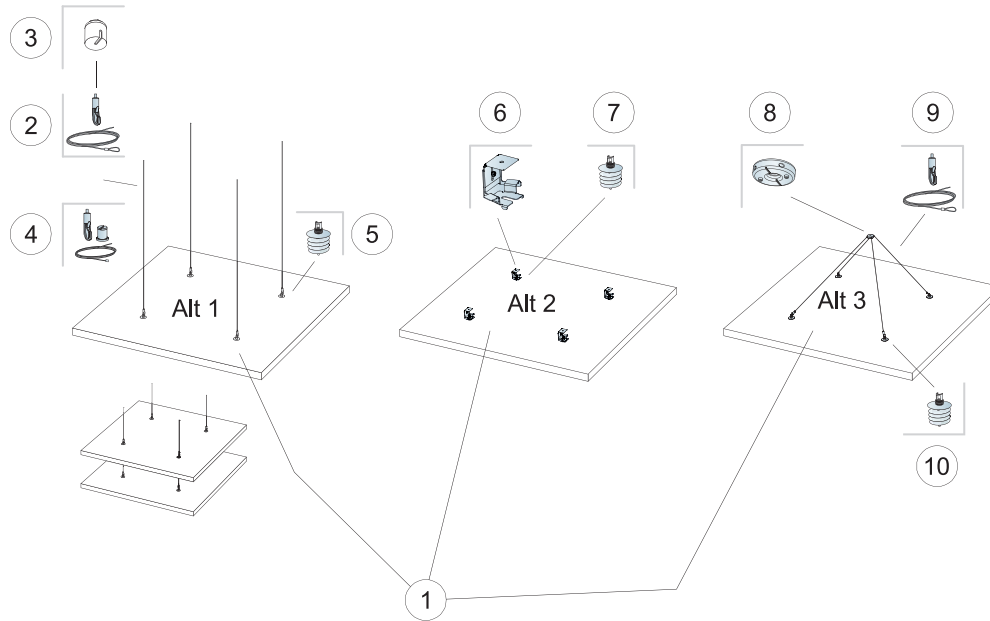
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

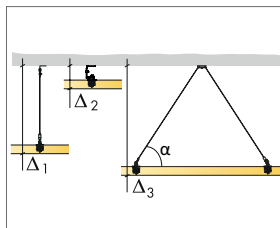
INSTALLATION DIAGRAM (M402) FOR ECOPHON SOLO SQUARE



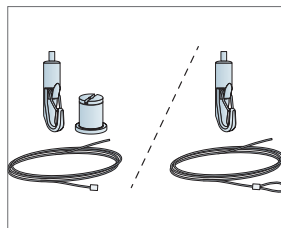
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		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 Absorber bracket (Alt 2)	4/panel
7	Connect Absorber anchor (Alt 2)	4/panel
8	Connect One-point fixing (Alt 3)	1/panel
9	Connect Adjustable wire hanger (Alt 3)	2/panel
10	Connect Absorber anchor (Alt 3)	4/panel

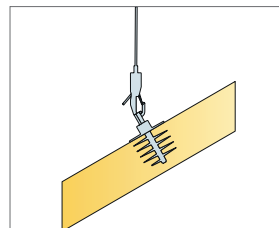
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm / Δ3 500 mm



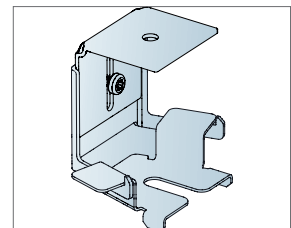
See Quantity specification



Two types of Adjustable wire solutions

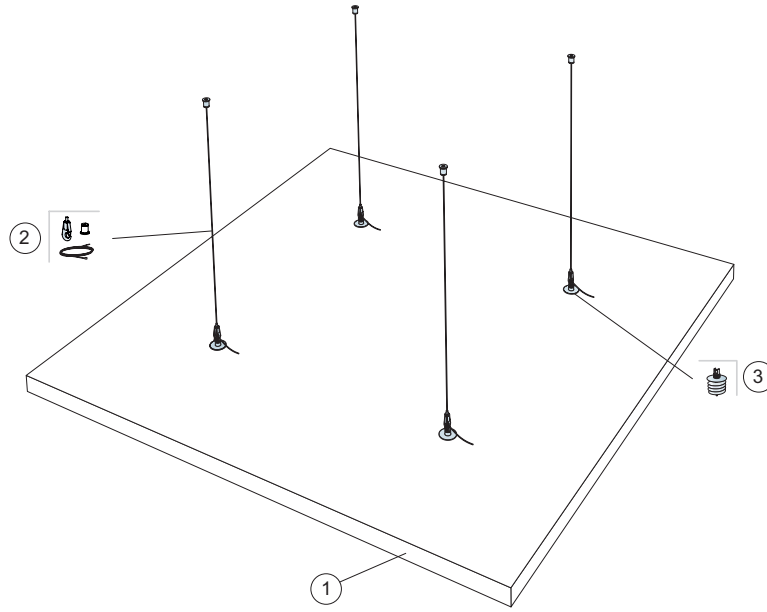


Panels can be installed in angles



Details of Absorber bracket. Overall depth of system between 90-130mm

INSTALLATION DIAGRAM (M362) FOR ECOPHON SOLO SQUARE

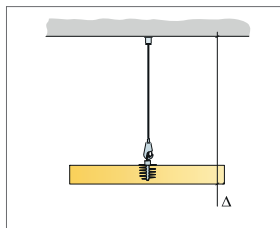


© Ecophon Group

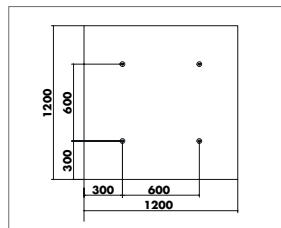
QUANTITY SPECIFICATION (EXCL. WASTAGE)

1	null
2	null
3	null
Δ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 500 mm / $\Delta 3$ 121 mm	

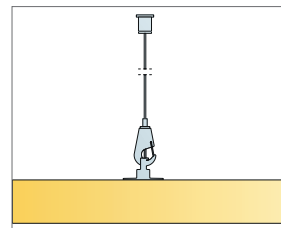
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



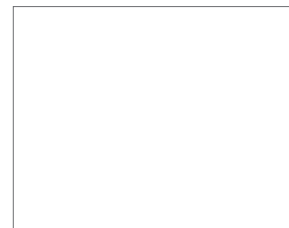
See Quantity specification



Suspension with absorber anchor, format 1200 x 1200



Installation with Connect Absorber anchor and Connect Adjustable wire kit



Ecophon Solo™ Rectangle

Solo Rectangle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



M30 Architects, Oisterwijk, Netherlands

SYSTEM RANGE



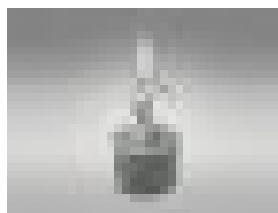
Size, mm	1800x1200	2400x600	2400x1200	3000x1200
Special Fixing	•	•	•	•
Thickness (THK)	40	40	40	40
Inst. Diagr.	M404, M506	M405	M406, M407, M506	M408



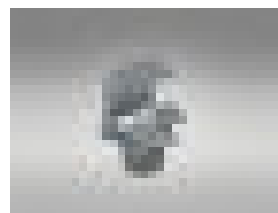
Solo Rectangle



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor



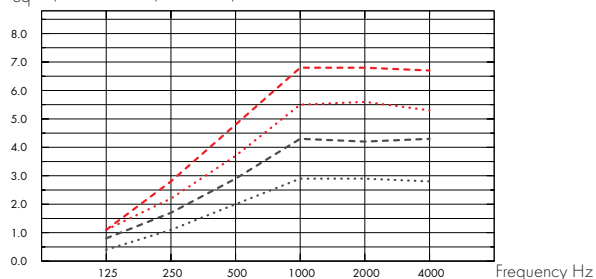
Acoustics

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 2400x1200, 1000 mm o.d.s.
 - Solo Rectangle 1800x1200, 1000 mm o.d.s.
 - Solo Rectangle 2400x600, 1000 mm o.d.s.
 - · - Solo Rectangle 3000x1200, 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
2400x1200	40	200	1.30	2.80	3.50	4.10	4.10	3.90
2400x1200	40	400	1.20	2.40	3.30	4.70	4.90	4.70
2400x1200	40	1000	1.10	2.20	3.70	5.50	5.60	5.30
1800x1200	40	200	0.60	2.00	2.90	3.40	3.30	3.10
1800x1200	40	400	0.80	1.90	2.60	3.70	3.70	3.60
1800x1200	40	1000	0.80	1.70	2.90	4.30	4.20	4.30
2400x600	40	200	0.50	1.40	2.00	2.40	2.30	2.30
2400x600	40	400	0.40	1.20	1.80	2.60	2.70	2.70
2400x600	40	1000	0.40	1.10	2.00	2.90	2.90	2.80
3000x1200	40	200	1.10	3.30	4.40	5.10	5.10	5.00
3000x1200	40	400	1.20	3.00	4.20	5.80	5.80	5.70
3000x1200	40	1000	1.10	2.80	4.80	6.80	6.80	6.70



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,32

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



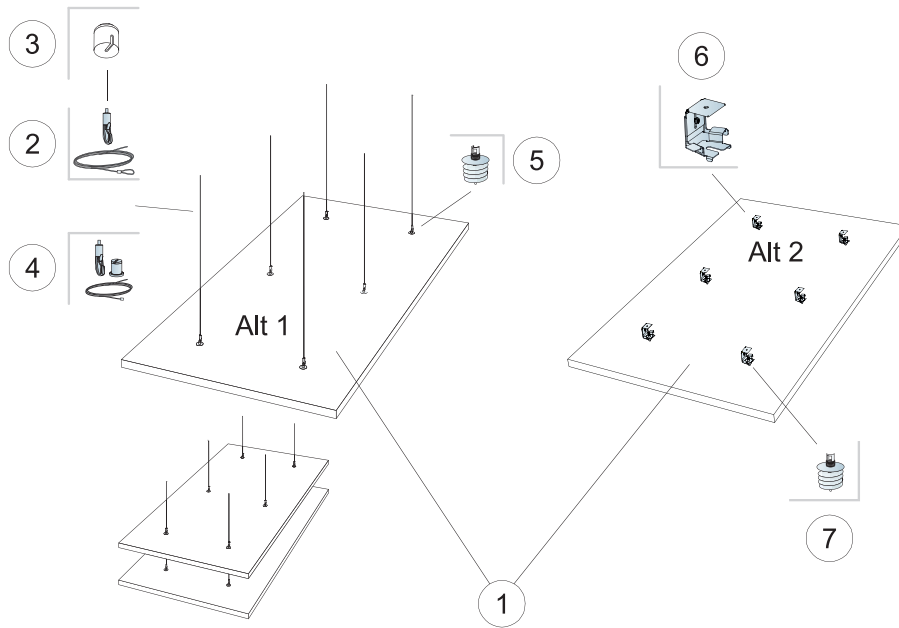
Mechanical properties

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



CE

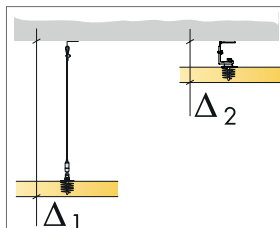
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



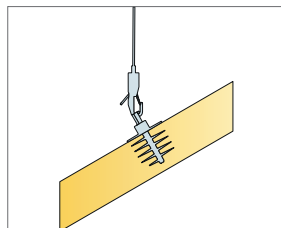
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1800x1200
1	Solo Rectangle	2,16m 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 Absorber bracket (Alt 2)	6/panel
7	Connect Absorber anchor (Alt 2)	6/panel

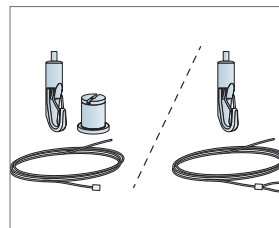
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm



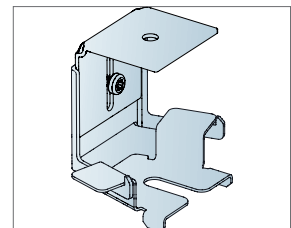
See Quantity specification



Panels can be installed in angles

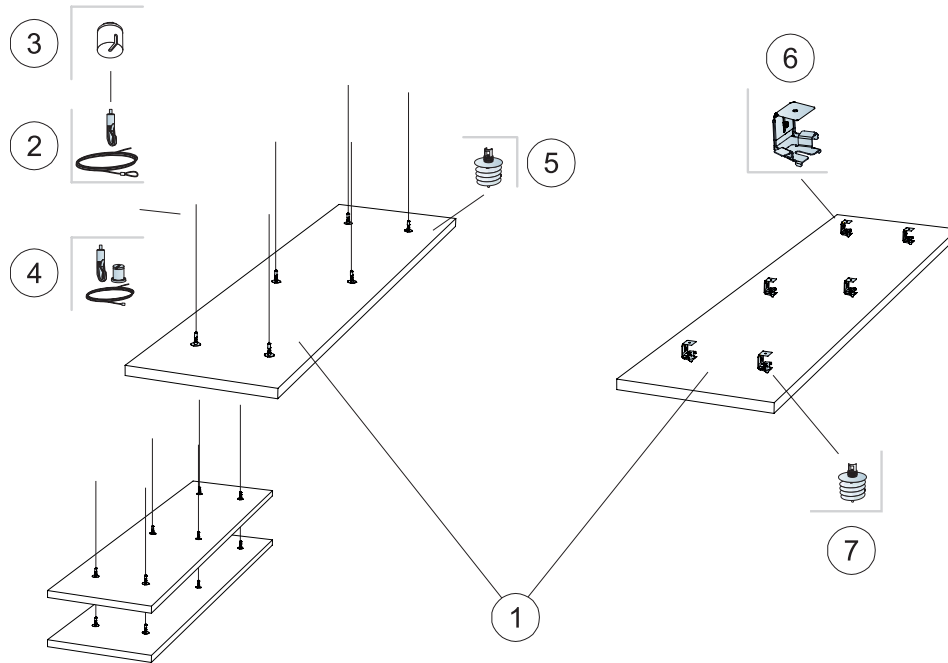


Two types of Adjustable wire solutions



Details of Absorber bracket. Overall depth of system between 90-130mm

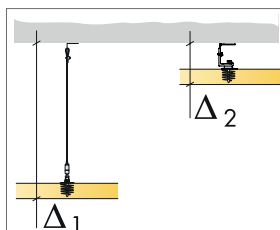
INSTALLATION DIAGRAM (M405) FOR ECOPHON SOLO RECTANGLE 2400X600



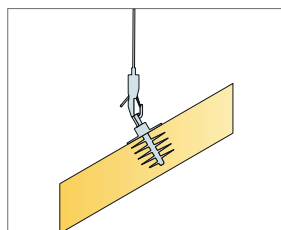
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x600
1	Solo Rectangle	1,44m 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 Absorber bracket (Alt 2)	6/panel
7	Connect Absorber anchor (Alt 2)	6/panel

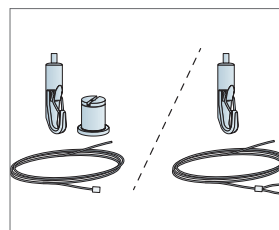
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm



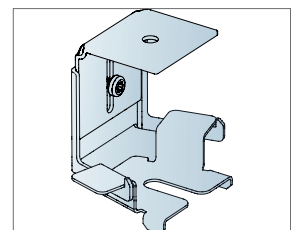
See Quantity specification



Panels can be installed in angles

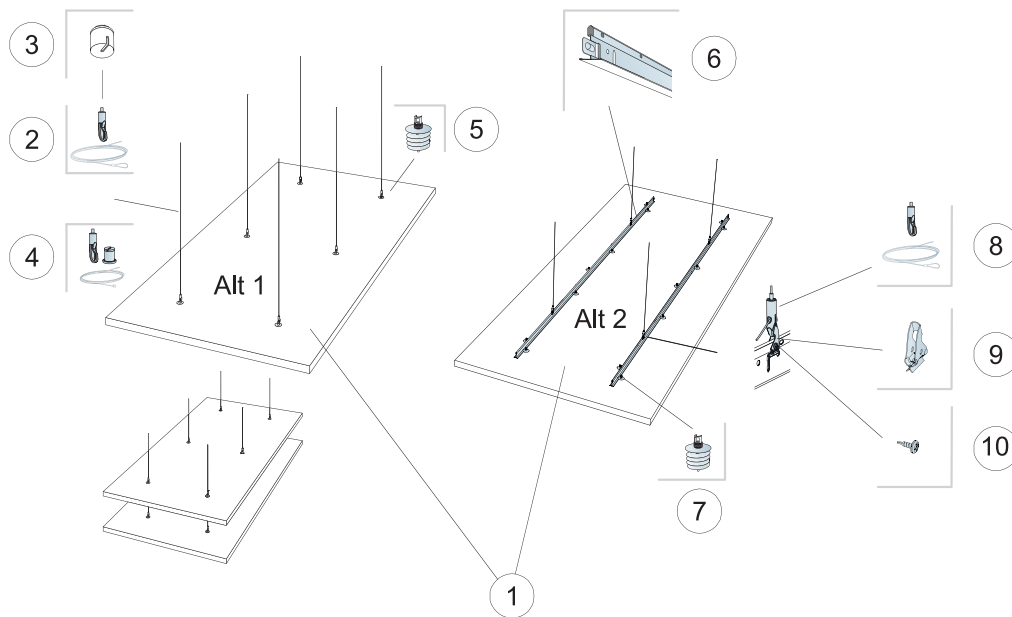


Two types of Adjustable wire solutions



Details of Absorber bracket. Overall depth of system between 90-130mm

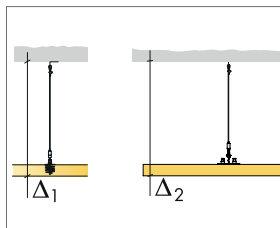
INSTALLATION DIAGRAM (M406) FOR ECOPHON SOLO RECTANGLE 2400X1200



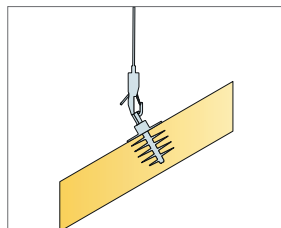
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x1200
1	Solo Rectangle	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 T24 Main runner (Alt 2)	2/panel
7	Connect Absorber anchor (Alt 2)	14/panel
8	Connect Adjustable wire hanger (Alt 2)	4/panel
9	Connect Hanger Clip (Alt 2)	4/panel
10	Connect Installation screw MVL (Alt 2)	4/panel

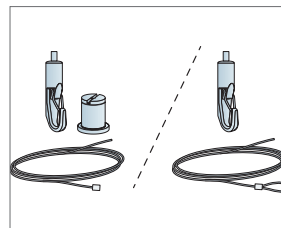
Δ Min. overall depth of system: Δ1 140 mm / Δ2 200 mm



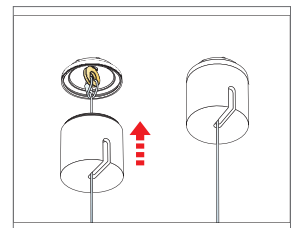
See Quantity specification



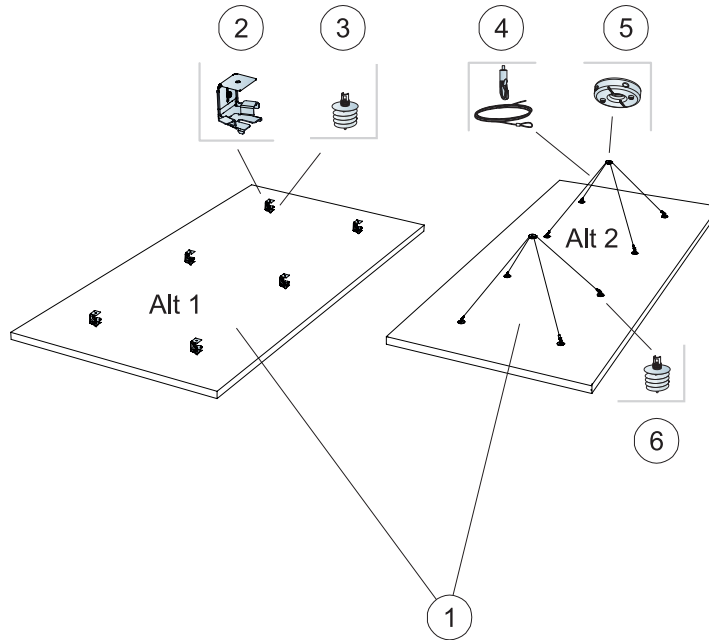
Panels can be installed in angles



Two types of Adjustable wire solutions



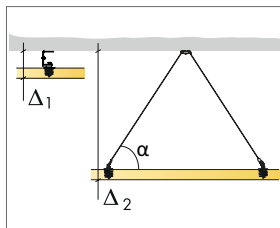
Installation of Connect Covering cup



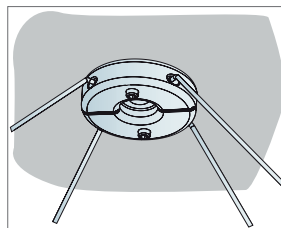
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x1200
1	Solo Rectangle	2,88m ² /panel
2	Connect Absorber bracket (Alt 1)	6/panel
3	Connect Absorber anchor (Alt 1)	6/panel
4	Connect Adjustable wire hanger (Alt 2)	4/panel
5	Connect One-point fixing (Alt 2)	2/panel
6	Connect Absorber anchor (Alt 2)	8/panel

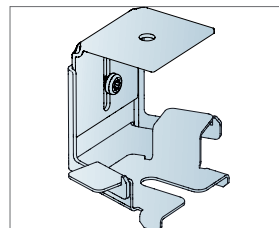
Δ Min. overall depth of system: Δ1 90 mm / Δ2 500 mm



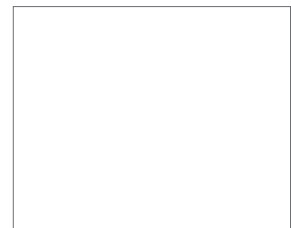
See Quantity specification



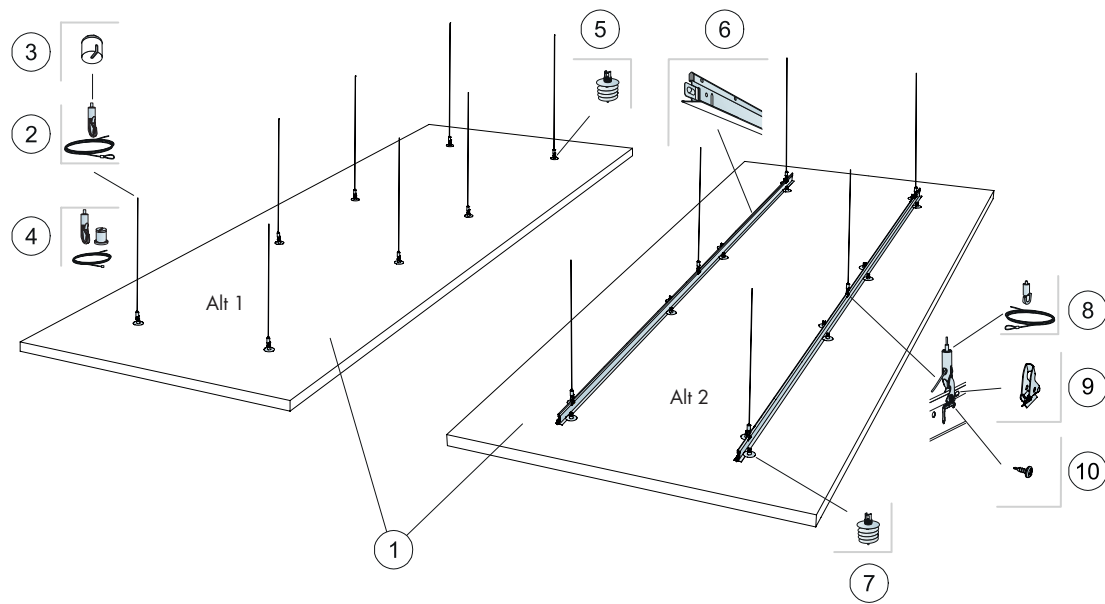
Detail of One-point fixing



Details of Absorber bracket. Overall depth of system between 90-130mm



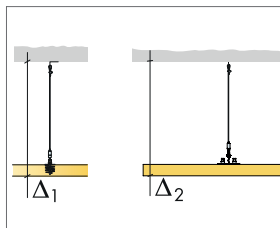
INSTALLATION DIAGRAM (M408) FOR ECOPHON SOLO RECTANGLE 3000X1200



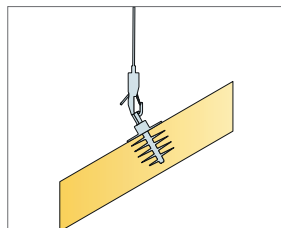
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		3000x1200
1	Solo Rectangle	3,6m ² /panel
2	Connect Adjustable wire hanger (Alt 1)	8/panel
3	Connect Covering cup (Alt 1, Optional)	8/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	8/panel
5	Connect Absorber anchor (Alt 1)	8/panel
6	Connect T24 Main runner (Alt 2)	2/panel
7	Connect Absorber anchor (Alt 2)	16/panel
8	Connect Adjustable wire hanger (Alt 2)	6/panel
9	Connect Hanger Clip (Alt 2)	6/panel
10	Connect Installation screw BR (Alt 2)	6/panel

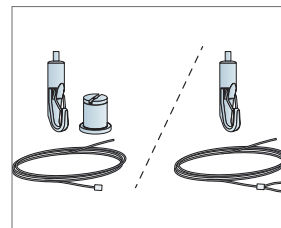
Δ Min. overall depth of system: Δ1 140 mm / Δ2 200 mm



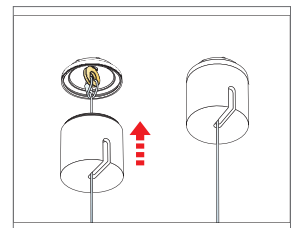
See Quantity specification



Panels can be installed in angles

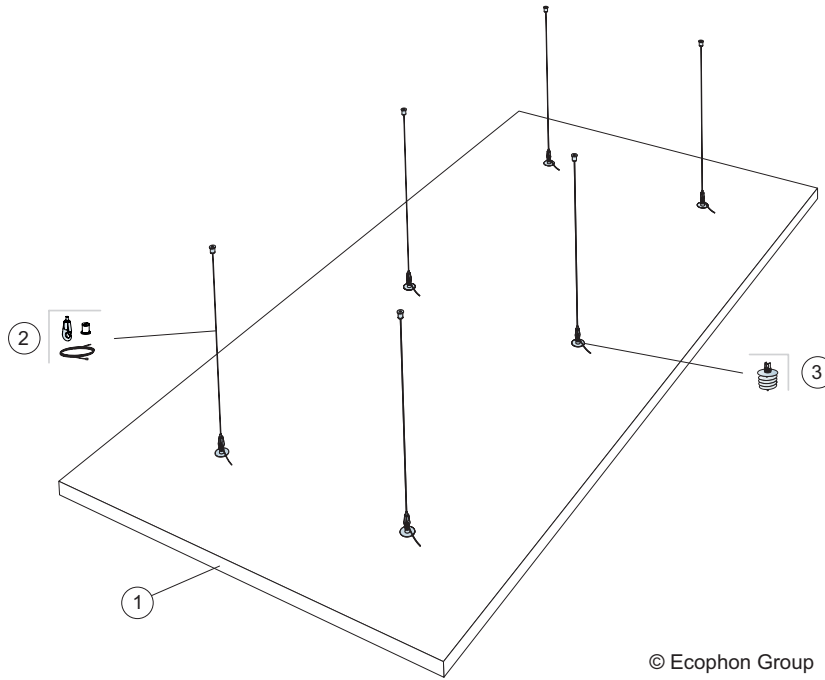


Two types of Adjustable wire solutions



Installation of Connect Covering cup

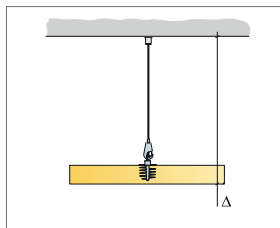
INSTALLATION DIAGRAM (M362) FOR ECOPHON SOLO SQUARE



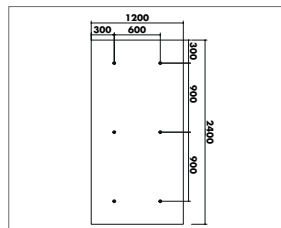
QUANTITY SPECIFICATION (EXCL. WASTAGE)

1	null
2	null
3	null
Δ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 500 mm / $\Delta 3$ 121 mm	

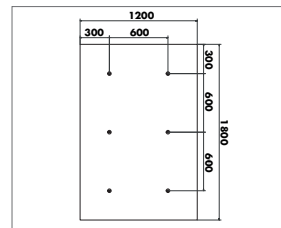
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



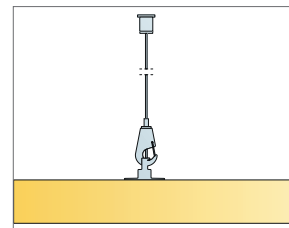
See Quantity specification



Suspension with absorber anchor, format 2400 x 1200



Suspension with absorber anchor, format 1800 x 1200



Installation with Connect Absorber anchor and Connect Adjustable wire kit

Ecophon Solo™ Circle

Solo Circle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.

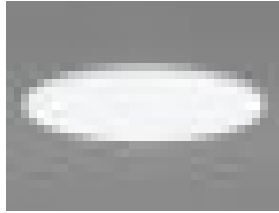


Astro Zeneca, Warsaw, Poland

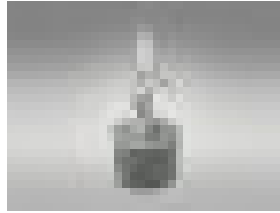
SYSTEM RANGE



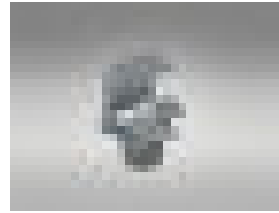
Size, mm	Ø800	Ø1200
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diag.	M411	M410



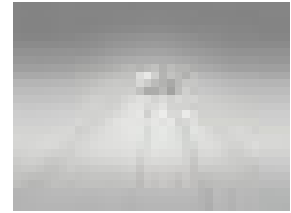
Solo Circle



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor



Suspension with One-point fixing



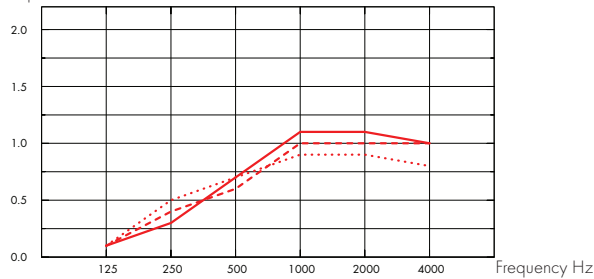
Acoustics

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:

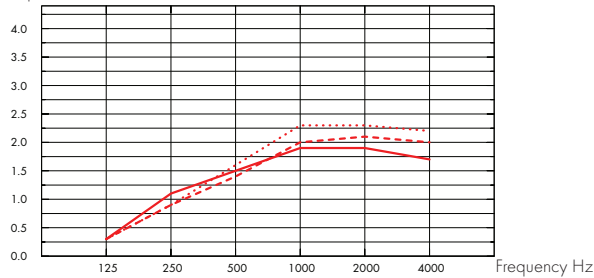
Test results according to EN ISO 354.

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



- Solo Circle Ø800, 200 mm o.d.s.
 - - - Solo Circle Ø800, 400 mm o.d.s.
 - ... Solo Circle Ø800, 1000 mm o.d.s.
- o.d.s = overall depth of system

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



- Solo Circle Ø1200, 200 mm o.d.s.
 - - - Solo Circle Ø1200, 400 mm o.d.s.
 - ... Solo Circle Ø1200, 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
Ø800	40	200	0.10	0.30	0.70	1.10	1.10	1.00
Ø800	40	400	0.10	0.40	0.60	1.00	1.00	1.00
Ø800	40	1000	0.10	0.50	0.70	0.90	0.90	0.80
Ø1200	40	200	0.30	1.10	1.50	1.90	1.90	1.70
Ø1200	40	400	0.30	0.90	1.40	2.00	2.10	2.00
Ø1200	40	1000	0.30	0.90	1.60	2.30	2.30	2.20

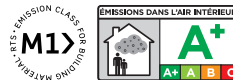


Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,21

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

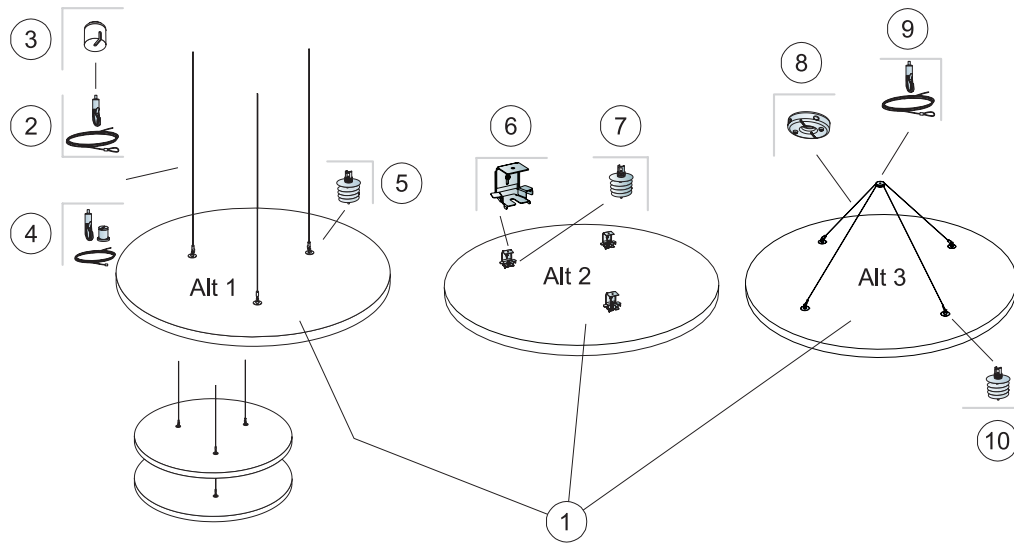
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

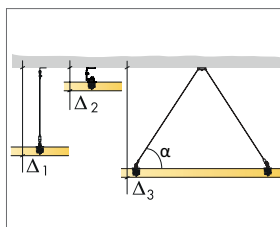
INSTALLATION DIAGRAM (M410) FOR ECOPHON SOLO CIRCLE



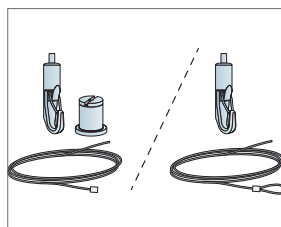
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø1200
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 Absorber bracket (Alt 2)	3/panel
7	Connect Absorber anchor (Alt 2)	3/panel
8	Connect One-point fixing (Alt 3)	1/panel
9	Connect Adjustable wire hanger (Alt 3)	2/panel
10	Connect Absorber anchor (Alt 3)	4/panel

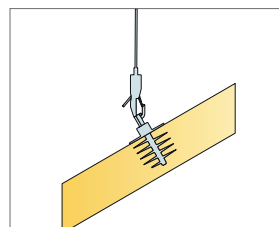
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm / Δ3 500 mm



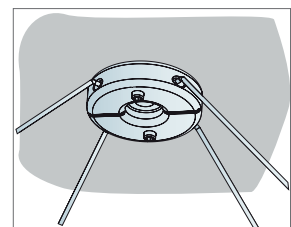
See Quantity specification



Two types of Adjustable wire solutions

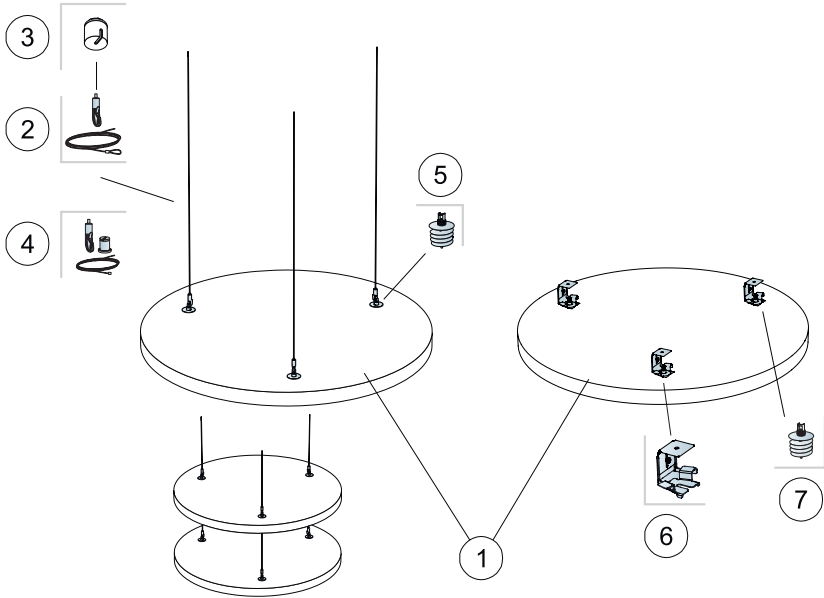


Panels can be installed in angles



Detail of One-point fixing

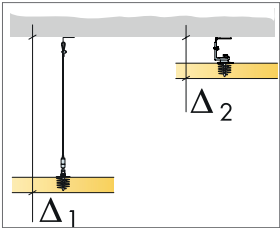
INSTALLATION DIAGRAM (M411) FOR ECOPHON SOLO CIRCLE



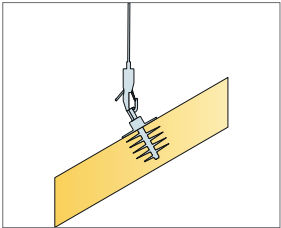
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø800
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 Absorber bracket (Alt 2)	3/panel
7	Connect Absorber anchor (Alt 2)	3/panel

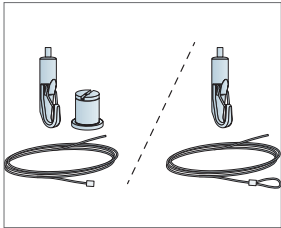
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm



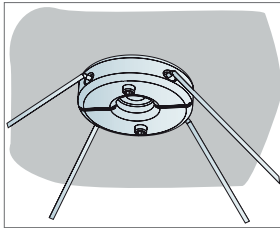
See Quantity specification



Panels can be installed in angles



Two types of Adjustable wire solutions



Detail of One-point fixing

Ecophon Solo™ Circle XL

Solo Circle XL is a large free hanging unit with two semicircles, offering a high degree of design possibilities. The three different suspension systems give opportunities to create several layers. For applications when it is not possible to install a wall-to-wall ceiling

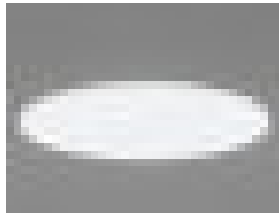


YOO Communications AG, St. Gallen, Switzerland

SYSTEM RANGE



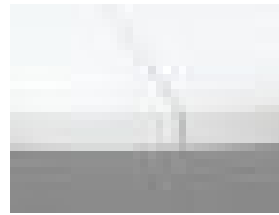
Size, mm	XL Ø1600
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M290



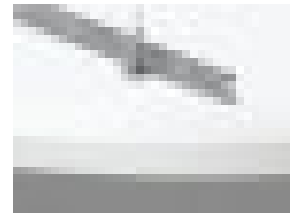
Solo Circle XL



Solo Circle XL panel



Rear side of Solo Circle XL



Solo Circle XL installation with Connect Absorber anchor



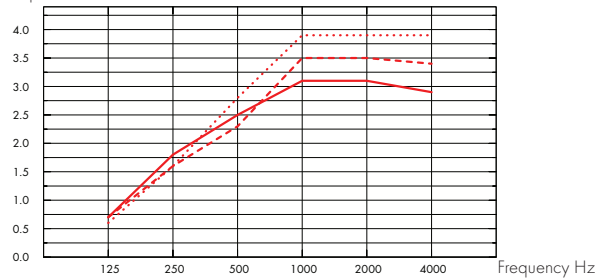
Acoustics

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	0.70	1.80	2.50	3.10	3.10	2.90
40	400	0.70	1.60	2.30	3.50	3.50	3.40
40	1000	0.60	1.60	2.80	3.90	3.90	3.90



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

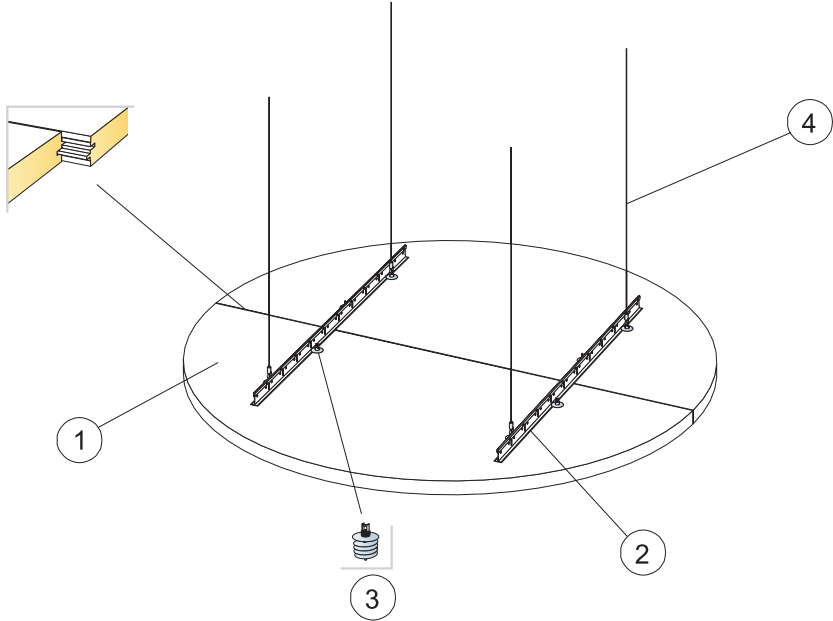
No additional live load is allowed.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M290) FOR ECOPHON SOLO CIRCLE XL

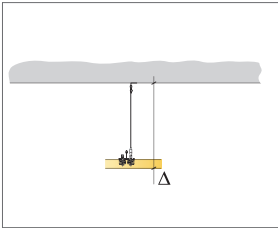


© Ecophon Group

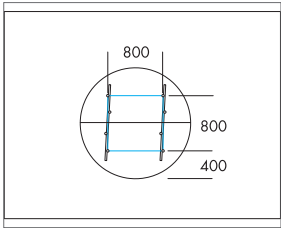
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø1600
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 200 mm		-

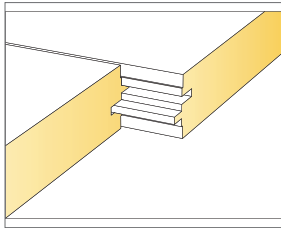
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



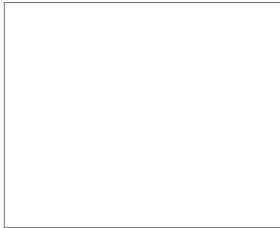
See Quantity specification



Suspension with Connect Adjustable wire hangers and Connect T24 Main runner



Meeting between panels



Ecophon Solo™ Freedom

Solo Freedom is a free hanging unit that's possible to design in almost any shape. Create your own unique shapes not found anywhere else or get inspired with Solo Freedom standard shapes; Triangle, Octagon, Heptagon, Hexagon, Pentagon and Ellipse.



Alla Laboratory, Moscow, Russia

SYSTEM RANGE



Size, mm	1039x1200	1040x1200	1139x1198	1168x1198	Ø1200	1200x1200	2400x1000	2400x1200
Special Fixing	•	•	•	•	•	•	•	•
Thickness (THK)	40	40	40	40	40	40	40	40
Inst. Diagr.	M297	M426	M427	M425	M412	M412, M424	M428	M412



Solo Freedom



Suspension with Connect Adjustable wire hanger and Connect Absorber



Acoustics

For acoustic data on the panel - please see Solo Square and Rectangle.



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,21

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

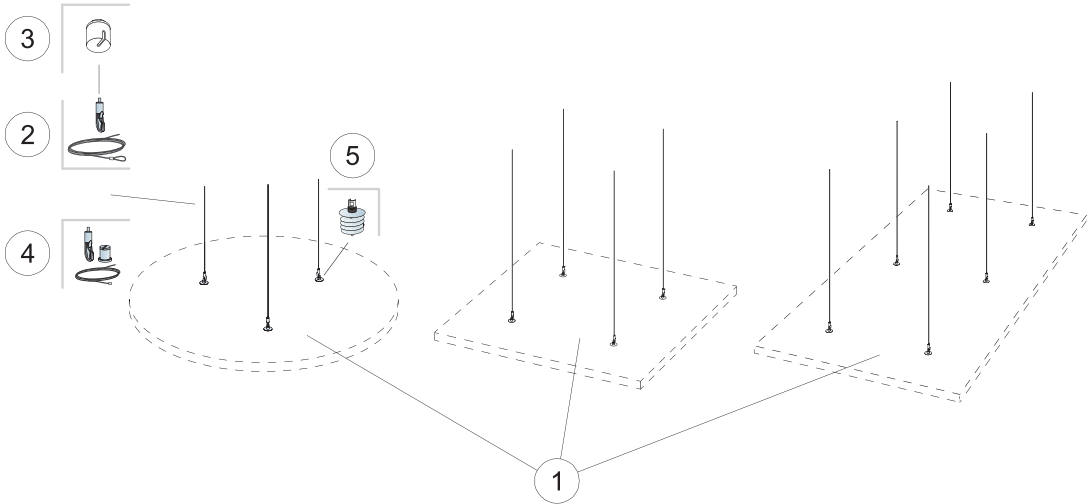
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

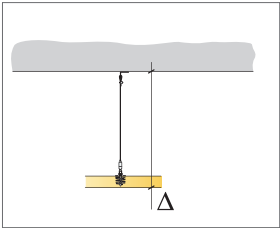
INSTALLATION DIAGRAM (M412) FOR ECOPHON SOLO FREEDOM



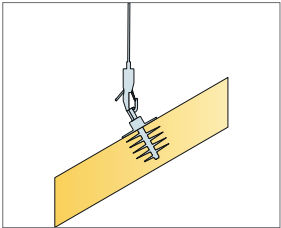
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm		
		Ø1200	1200x1200	2400x1200
1	Solo Freedom	as required	as required	as required
2	Connect Adjustable wire hanger	3/panel	4/panel	6/panel
3	Connect Covering cup	3/panel	4/panel	6/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	3/panel	4/panel	6/panel
5	Connect Absorber anchor	3/panel	4/panel	6/panel

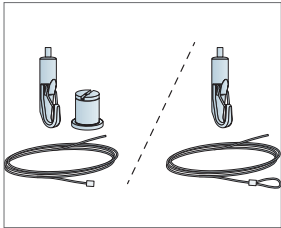
Δ Min. overall depth of system: 140 mm



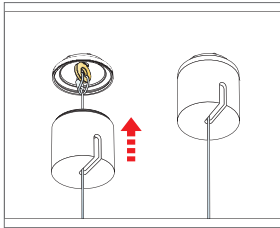
See Quantity specification



Panels can be installed in angles

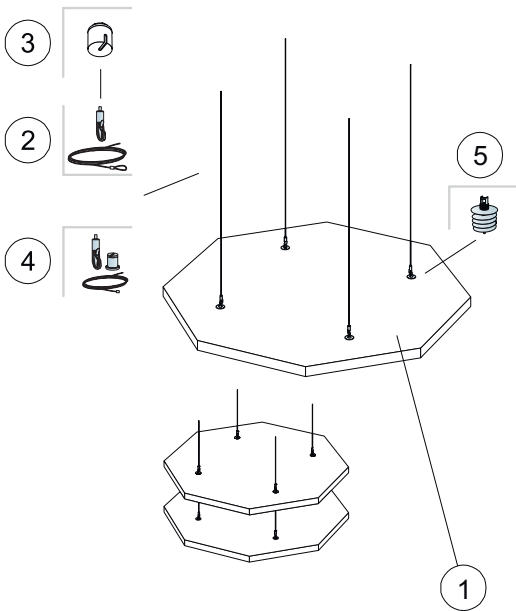


Two types of Adjustable wire solutions



Installation of Connect Covering cup

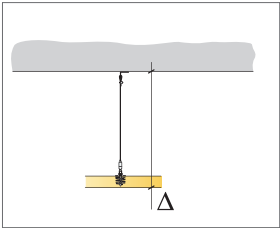
INSTALLATION DIAGRAM (M424) FOR ECOPHON SOLO OCTAGON



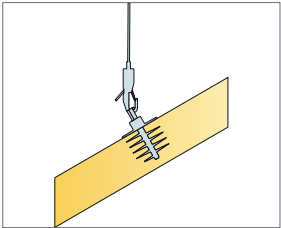
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Octagon	1,19m 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
Δ Min. overall depth of system: 140 mm		

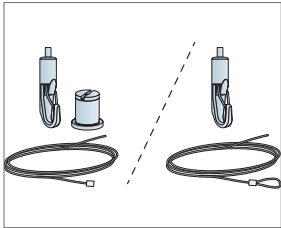
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



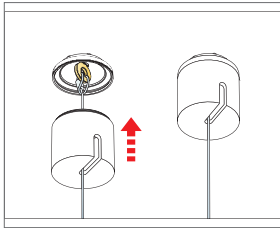
See Quantity specification



Panels can be installed in angles

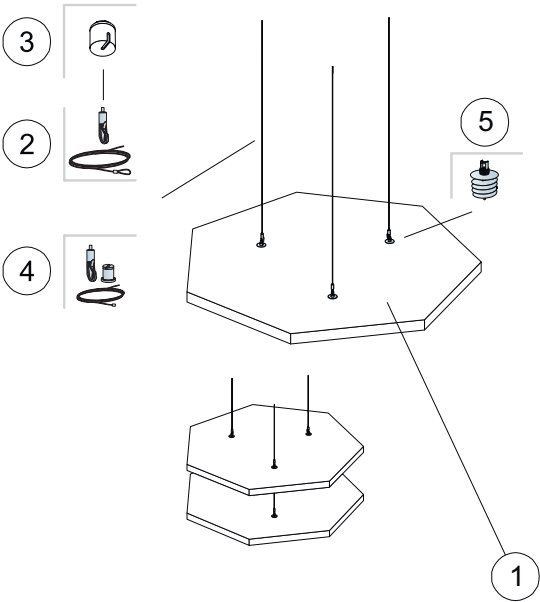


Two types of Adjustable wire solutions



Installation of Connect Covering cup

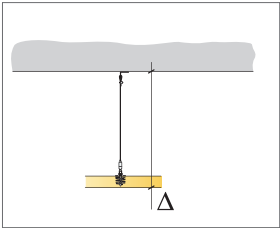
INSTALLATION DIAGRAM (M425) FOR ECOPHON SOLO HEPTAGON



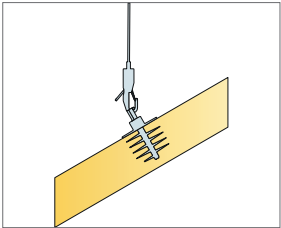
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1168x1198
1	Solo Heptagon	1,03m 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
Δ Min. overall depth of system: 140 mm		

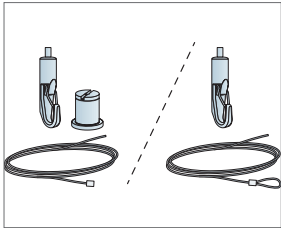
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



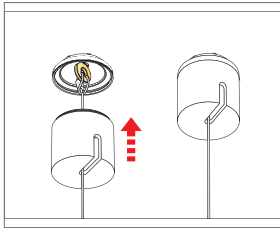
See Quantity specification



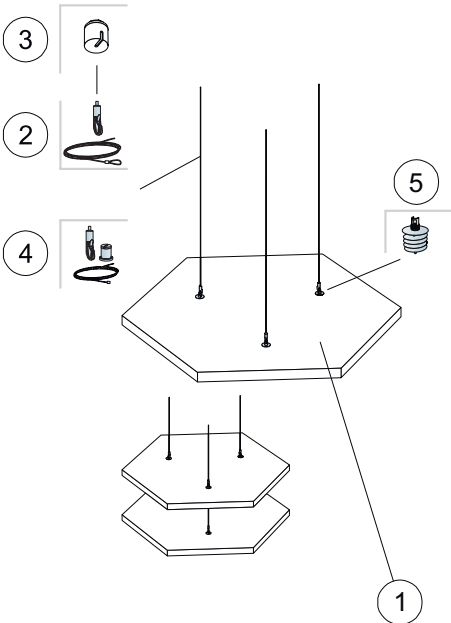
Panels can be installed in angles



Two types of Adjustable wire solutions



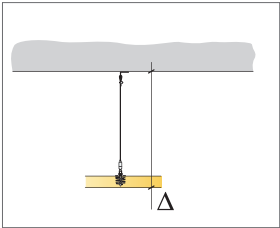
Installation of Connect Covering cup



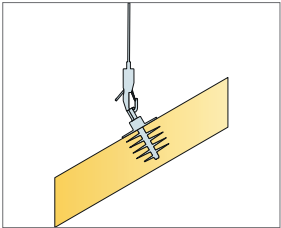
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1040x1200
1	Solo Hexagon	0,94m 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
Δ Min. overall depth of system: 140 mm		

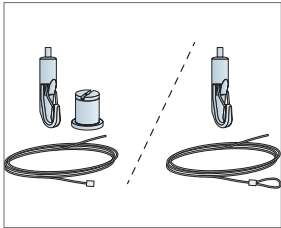
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



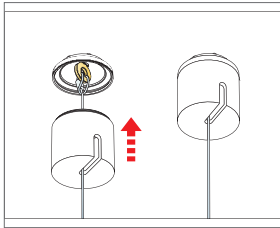
See Quantity specification



Panels can be installed in angles

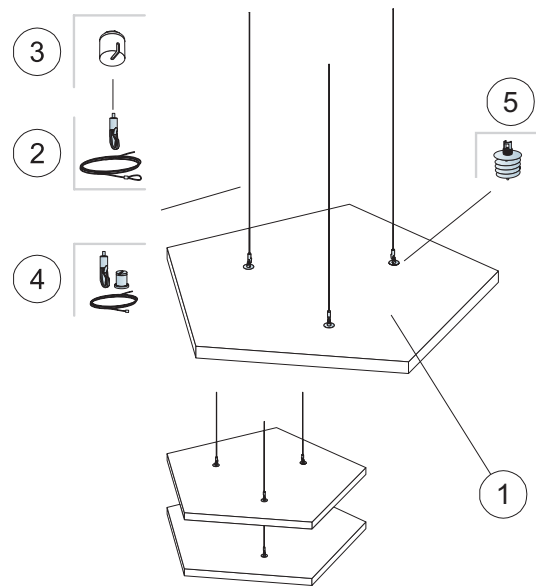


Two types of Adjustable wire solutions



Installation of Connect Covering cup

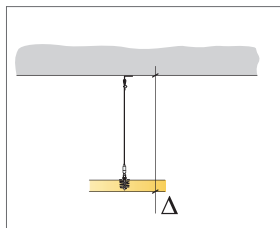
INSTALLATION DIAGRAM (M427) FOR ECOPHON SOLO PENTAGON



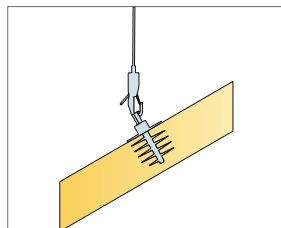
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1139x1198
1	Solo Pentagon	0,94m 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
Δ Min. overall depth of system: 140 mm		

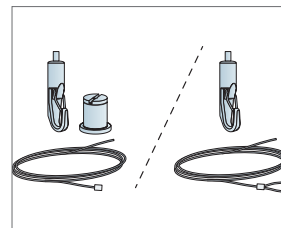
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



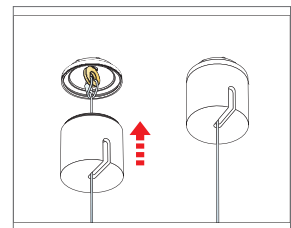
See Quantity specification



Panels can be installed in angles

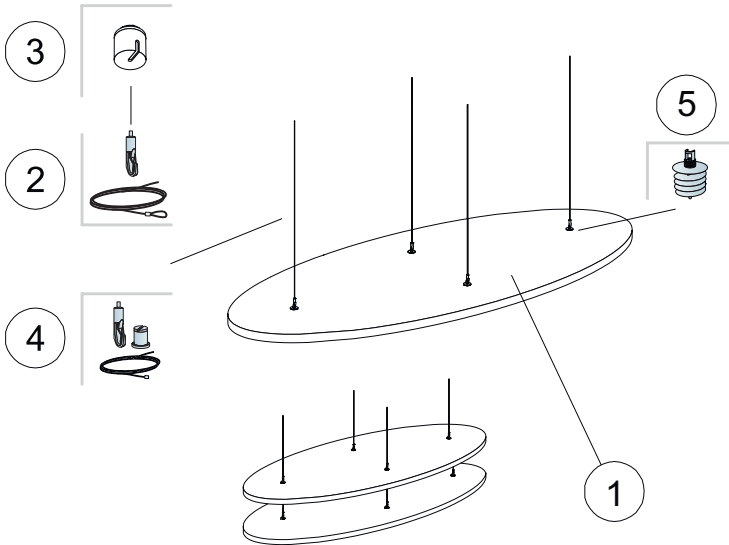


Two types of Adjustable wire solutions



Installation of Connect Covering cup

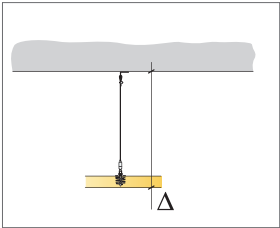
INSTALLATION DIAGRAM (M428) FOR ECOPHON SOLO ELLIPSE



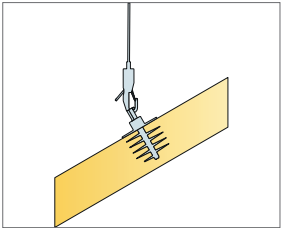
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x1000
1	Solo Ellipse	1,89m 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
Δ Min. overall depth of system: 140 mm		

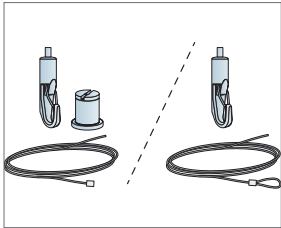
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



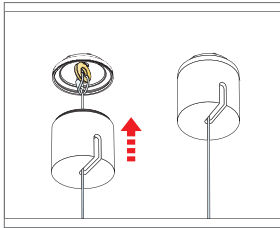
See Quantity specification



Panels can be installed in angles

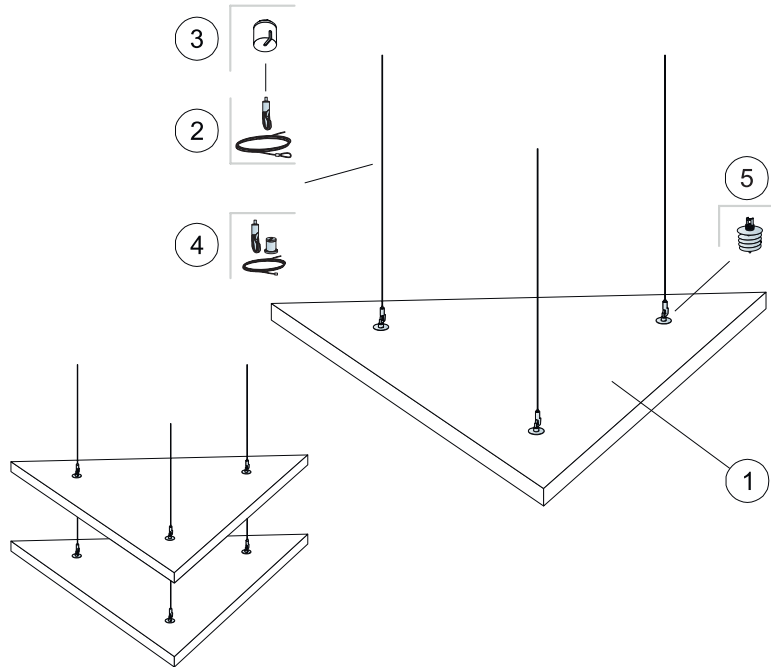


Two types of Adjustable wire solutions



Installation of Connect Covering cup

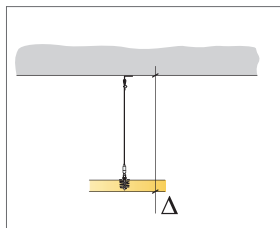
INSTALLATION DIAGRAM (M297) FOR ECOPHON SOLO TRIANGLE



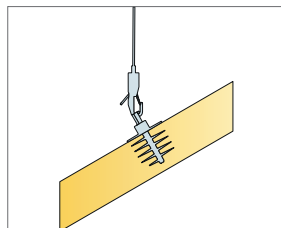
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1039x1200
1	Solo Triangle	0,62m ² /panel
2	Connect Adjustable wire hanger	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	3/panel
Δ Min. overall depth of system: 140 mm		

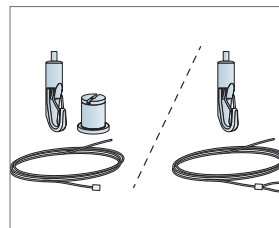
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.



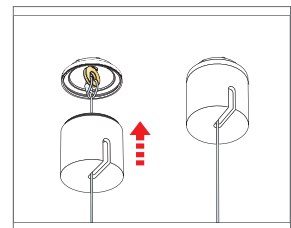
See Quantity specification



Panels can be installed in angles



Two types of Adjustable wire solutions



Installation of Connect Covering cup



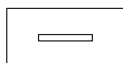
Ecophon Solo™ Rectangle Line

Solo Rectangle Line is a free hanging unit with an integrated recessed luminaire. A combination of Ecophon Solo™ Rectangle and Ecophon Line™. This is a product suitable for various applications such as open plan solutions, lunch areas or conference and meeting areas.



Ecophon Head Office, Hyllinge, Sweden

SYSTEM RANGE



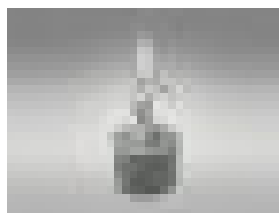
Size, mm	2400x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diag.	M421



Solo Rectangle Line



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Solo panel with line

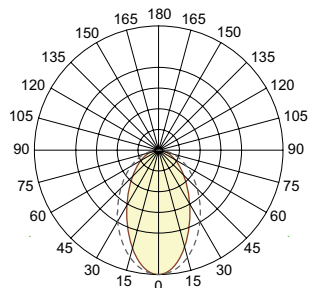


Acoustics

For acoustic data on the panel - please see Solo Rectangle.



Lighting performance



System effect: 27,6 W
 Light source: LED 30 W
 Luminous flux: 3008 lm
 Light efficiency: 109 lm/W
 Colour temperature: 4000K
 Color rendering index: > 80 Ra
 Colour tolerance: 3 MacAdam SDCM
 Light output ratio (LOR): 100%
 Light distribution up/down: 0/100
 Expected lifespan: L90 >50000 h
 Expected lifespan: L70 >100000 h



Electrical data

220-240 V, 50-60 Hz, power factor $\cos \phi > 0,98$. Electronic HF ballast or electronic HF dim ballast for digital regulation.
 Light source: 1 led module of 30W total. Also available as emergency light, with a battery pack for one hour.



Connection

The standard on/off electronic HF ballast delivered with 2,5 meters of cable 3x0,75 mm² and grounded plug. The SwitchDIM/DALI delivered without cable.



Electrical approvals

IP23, Class 1.



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

Ecophon Solo™ Lite Square

Ecophon Solo™ Lite Square is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Lite 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.

1200x1200x40 mm with a weight of 6 kg. The panel is manufactured from high density glass wool, with Akutex™ FT surface on one side. The edges are straight cut and painted.

Solo Lite Square is an unframed free hanging unit offering a high degree of design possibilities and suspension systems. Different suspension systems using Adjustable wire hangers or Absorber bracket in combination with the engineered Connect Absorber anchor (patent) give opportunities to create several layers and angles.

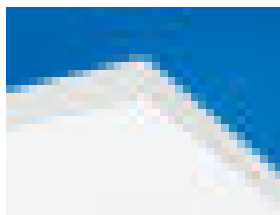
The Solo Lite Square panel is available in size



SYSTEM RANGE



Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M403



Solo Lite panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor



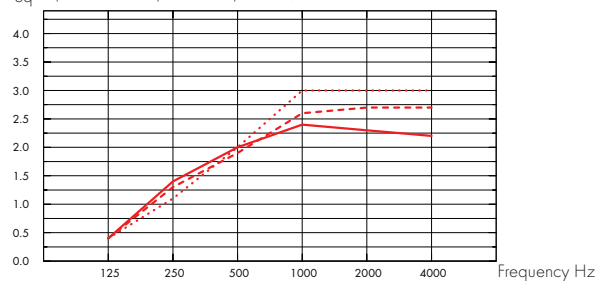
Acoustic

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 Lite Square 1200x1200, 200 mm o.d.s.
 - - - Solo Lite Square 1200x1200, 400 mm o.d.s.
 - ... Solo Lite 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	0.40	1.40	2.00	2.40	2.30	2.20
40	400	0.40	1.30	1.90	2.60	2.70	2.70
40	1000	0.40	1.10	2.00	3.00	3.00	3.00



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Solo Square, Kg CO₂ equiv/m²: 8,07

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

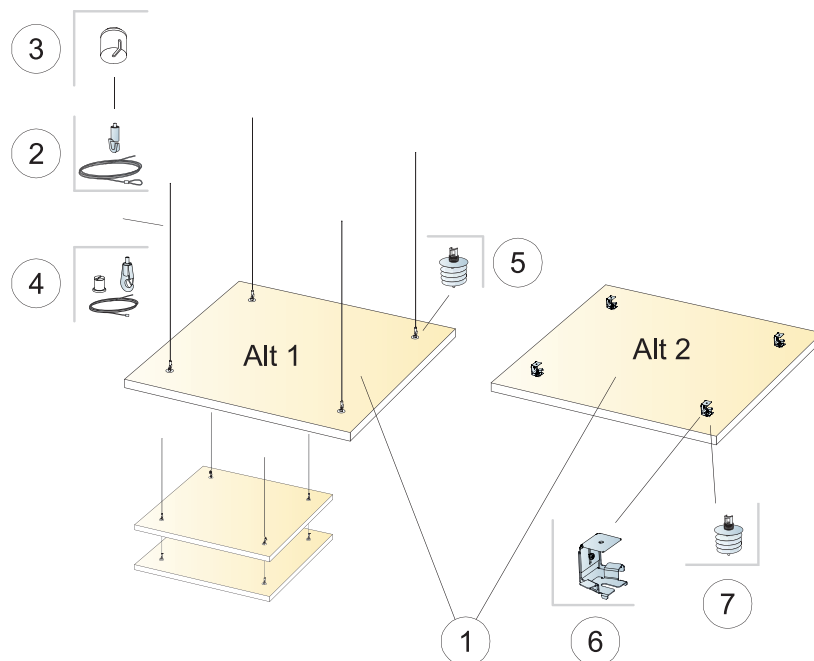
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

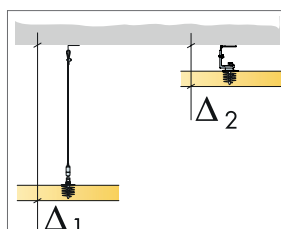
INSTALLATION DIAGRAM (M403) FOR ECOPHON SOLO LITE SQUARE



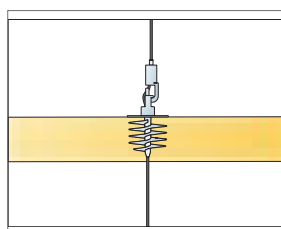
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Lite 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 Absorber bracket (Alt 2)	4/panel
7	Connect Absorber anchor (Alt 2)	4/panel

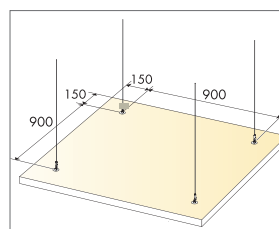
Δ Min. overall depth of system: Δ1 130 mm / Δ2 90 mm



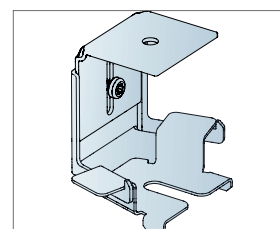
See Quantity specification



Panels can be suspended underneath each other



Installation dimensions



Details of Absorber bracket. Overall depth of system between 90-130mm



Ecophon Solo™ Lite Rectangle

Ecophon Solo™ Lite Rectangle is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Lite 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 Lite Rectangle is an unframed free hanging unit offering a high degree of design possibilities and suspension systems. Different suspension systems using Adjustable wire hangers or Absorber bracket in combination with the engineered Connect Absorber anchor (patent) give opportunities to create several layers and angles.

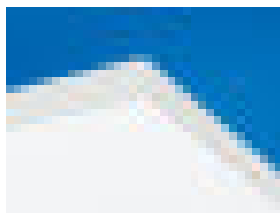
The Solo Lite Rectangle panel is available in size 2400x1200x40 mm with a weight of 11,5 kg. The panel is manufactured from high density glass wool, with Akutex™ FT surface on one side. The edges are straight cut and painted.



SYSTEM RANGE



Size, mm	2400x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M409



Solo Lite panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor



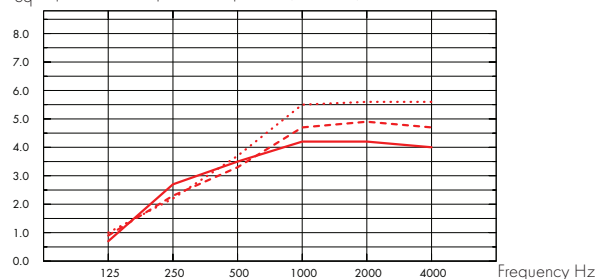
Acoustic

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 Lite Rectangle 2400x1200, 200 mm o.d.s.
 - - - Solo Lite Rectangle 2400x1200, 400 mm o.d.s.
 - ... Solo Lite Rectangle 2400x1200, 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
2400x1200	40	200	0.70	2.70	3.50	4.20	4.20	4.00
2400x1200	40	400	0.90	2.30	3.30	4.70	4.90	4.70
2400x1200	40	1000	1.00	2.20	3.70	5.50	5.60	5.60



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Solo Rectangle, Kg CO₂ equiv/m²: 7,96

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

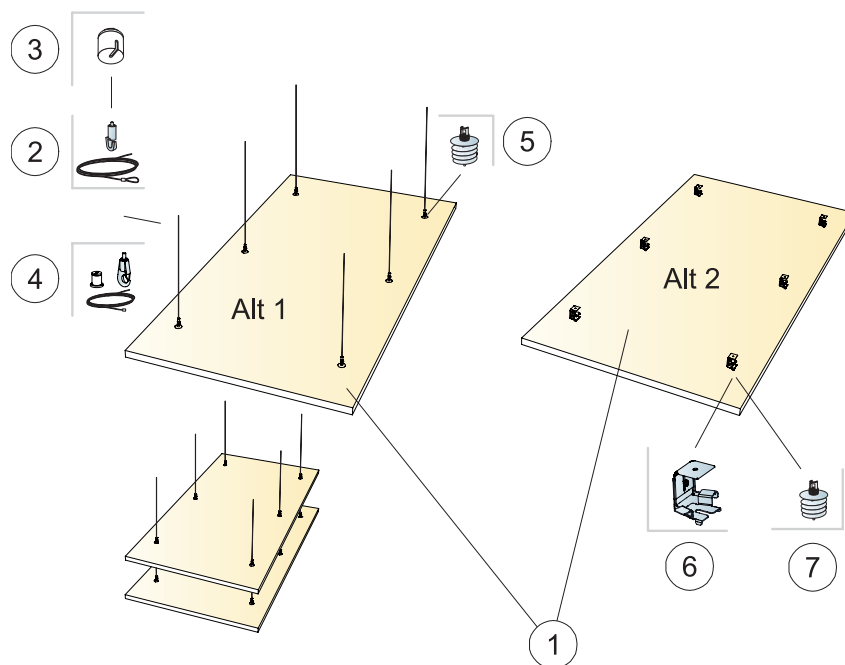
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at www.ecophon.com.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

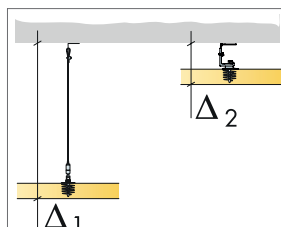
INSTALLATION DIAGRAM (M409) FOR ECOPHON SOLO LITE RECTANGLE



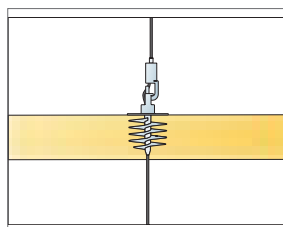
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x1200
1	Solo Lite Rectangle	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 Absorber bracket (Alt 2)	6/panel
7	Connect Absorber anchor (Alt 2)	6/panel

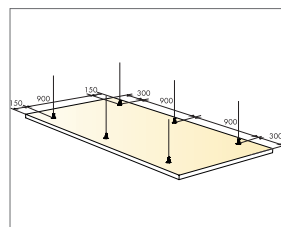
Δ Min. overall depth of system: Δ1 130 mm / Δ2 90 mm



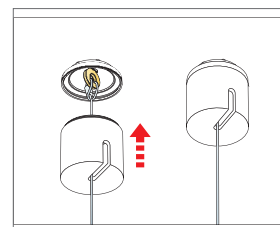
See Quantity specification



Panels can be suspended underneath each other



Installation dimensions



Installation of Connect Covering cup

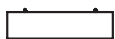
Ecophon Solo™ Baffle

Solo Baffle is vertically installed unframed baffles. Solo Baffle can be used to form distinct lines and is available in different sizes and a wide range of colours. Baffles are used primarily when natural light is brought into the room via skylight.

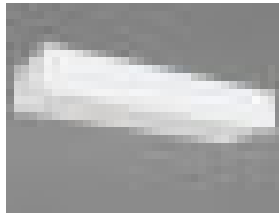


Plantronics, Hoofddorp, Netherlands

SYSTEM RANGE



Size, mm	1200x200	1200x300	1200x600	1800x200	1800x300	1800x600
Special Fixing	•	•	•	•	•	•
Thickness (THK)	40	40	40	40	40	40
Inst. Diagr.	M414, M491	M414, M491	M414, M491	M414, M491	M414, M491	M414, M491



Solo Baffle



Solo Baffle/anchor



Solo Baffle/anchor installation



Solo Baffle/hook

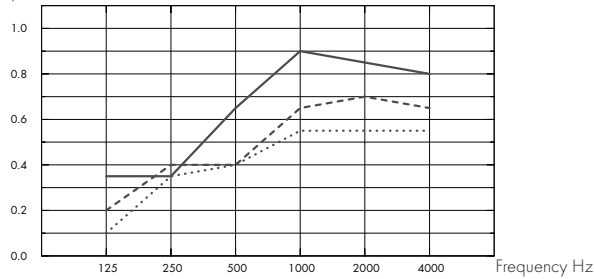


Acoustics

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



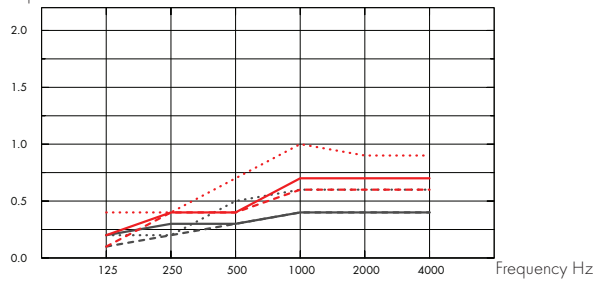
... Solo Baffle 1200/1800x200, spacing 600mm, direct mounting

--- Solo Baffle 1200/1800x300, spacing 600mm, direct mounting

- Solo Baffle 1200/1800x600, spacing 600mm, direct mounting

o.d.s = overall depth of system

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



--- Solo Baffle 1200x200

- Solo Baffle 1200x300

... Solo Baffle 1200x600

--- Solo Baffle 1800x200

- Solo Baffle 1800x300

... Solo Baffle 1800x600

o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	200	0.10	0.35	0.40	0.55	0.55	0.55	0.50
c600	40	300	0.20	0.40	0.40	0.65	0.70	0.65	0.50
c600	40	600	0.35	0.35	0.65	0.90	0.85	0.80	0.65

	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
1200x200 c600	40	200	0.10	0.20	0.30	0.40	0.40	0.40
1200x300 c600	40	300	0.20	0.30	0.30	0.40	0.40	0.40
1200x600 c600	40	600	0.20	0.20	0.50	0.60	0.60	0.60
1800x200 c600	40	200	0.10	0.40	0.40	0.60	0.60	0.60
1800x300 c600	40	300	0.20	0.40	0.40	0.70	0.70	0.70
1800x600 c600	40	600	0.40	0.40	0.70	1.00	0.90	0.90

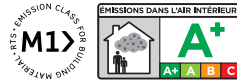


Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,21

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

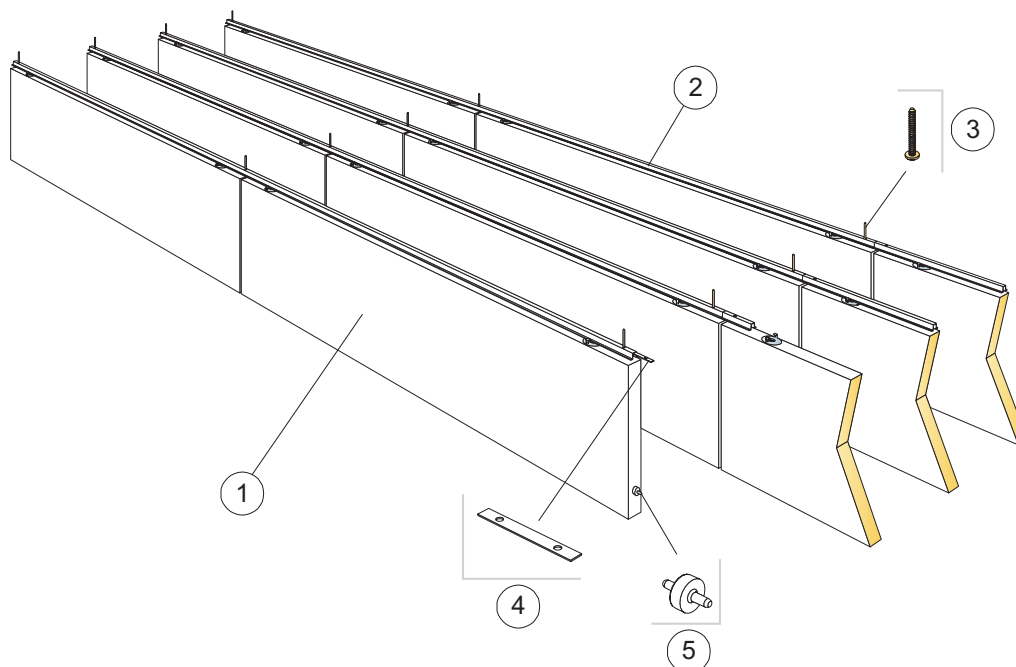
Additional live load has to be fixed to the soffit.



CE

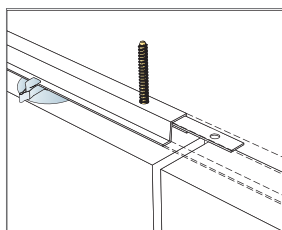
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M414) FOR ECOPHON SOLO BAFFLE/ANCHOR

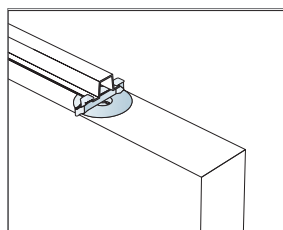


QUANTITY SPECIFICATION (EXCL. WASTAGE)

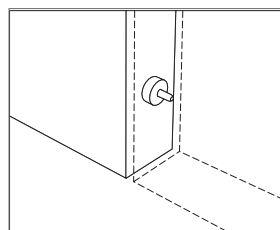
		Size, mm					
		1200x200	1200x300	1200x600	1800x200	1800x300	1800x600
1	Solo Baffle/anchor, installed at 300 mm centres	2,8/m ²	2,8/m ²	2,8/m ²	1,9/m ²	1,9/m ²	1,9/m ²
2	Connect Baffle profile, installed at 300 mm centres	3,3m/m ²	3,3m/m ²	3,3m/m ²	3,3m/m ²	3,3m/m ²	3,3m/m ²
3	Connect Anchor screw, fixed at 1200 mm centres	2,8/m ²	2,8/m ²	2,8/m ²	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	1,4/m ²	1,4/m ²	1,4/m ²
5	Connect Guiding pin, installed at 1200/1800 mm centres	2,8/m ²	2,8/m ²	2,8/m ²	1,9/m ²	1,9/m ²	1,9/m ²



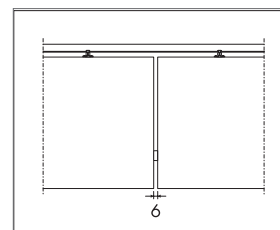
Fixing of Connect Profile connector



The baffles are secured with clips

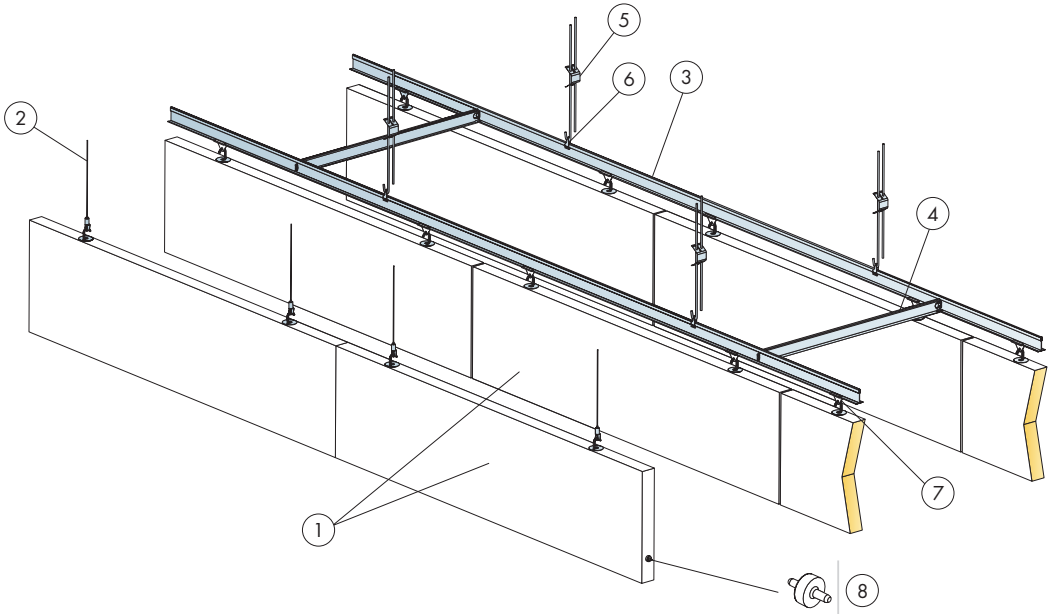


Connect Guiding pin, used to fix distance and level between panels



Distinct gap of 6 mm between baffles with Connect Guiding pin

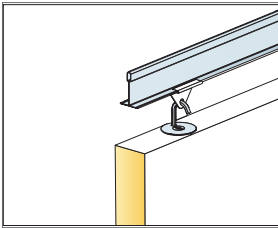
INSTALLATION DIAGRAM (M491) FOR ECOPHON SOLO BAFFLE/HOOK



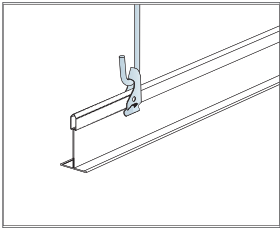
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

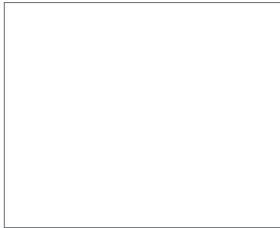
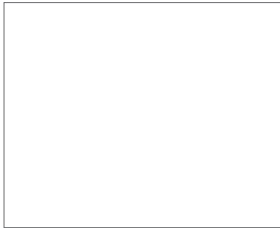
		Size, mm					
		1200x200	1200x300	1200x600	1800x200	1800x300	1800x600
1	Solo Baffle/hook, installed at 600 mm centres	1,4/m ²	1,4/m ²	1,4/m ²	0,9/m ²	0,9/m ²	0,9/m ²
2	Connect Adjustable wire hanger (Alt 1)	2/panel	2/panel	2/panel	2/panel	2/panel	2/panel
3	Connect T24 Main runner, installed at 600 mm centres (Alt 2)	1,7m/m ²	1,7m/m ²	1,7m/m ²	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 (Alt 2)	0,6m/m ²	0,6m/m ²	0,6m/m ²	0,6m/m ²	0,6m/m ²	0,6m/m ²
5	Connect Adjustable hanger c1200 (Alt 2)	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²
6	Connect Hanger clip (Alt 2)	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²
7	Connect Baffle clip (Alt 2)	2,8/m ²	2,8/m ²	2,8/m ²	1,8/m ²	1,8/m ²	1,8/m ²
8	Connect Guiding Pin, installed at 1200/1800 mm centres	2,8/m ²	2,8/m ²	2,8/m ²	0,9/m ²	0,9/m ²	0,9/m ²



Detail of suspension



Suspension with adjustable hanger and clip



Ecophon Solo™ Baffle Wave

Solo Baffle Wave is vertically installed unframed baffles. The wave-shaped baffle gives the room a special design and possibility to express design in shape and colour. Baffles are used primarily when natural light is brought into the room via skylight.

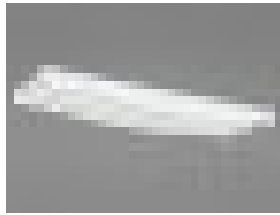


Hollarna, Halmstad, Sweden

SYSTEM RANGE



Size, mm	1800x300	1800x600
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diagr.	M495, M419	M495, M419



Solo Baffle Wave



Solo Baffle Wave/anchor



Solo Baffle Wave/anchor installation



Solo Baffle Wave/hook

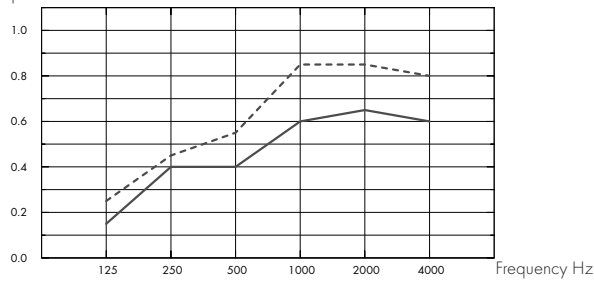


Acoustics

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

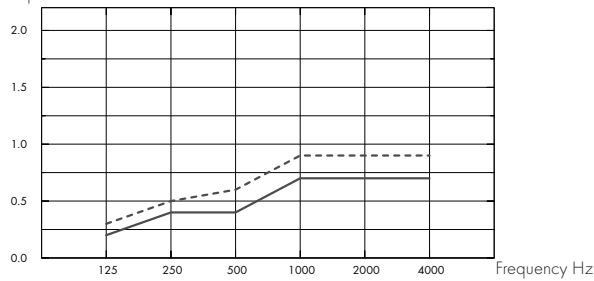


— Solo Baffle Wave 1800x300/200, spacing 600, direct mounting

--- Solo Baffle Wave 1800x600/300, spacing 600, direct mounting

o.d.s = overall depth of system

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



— Solo Baffle Wave 1800x300/200

--- Solo Baffle Wave 1800x600/300

o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	200	0.15	0.40	0.40	0.60	0.65	0.60	0.50
c600	40	300	0.25	0.45	0.55	0.85	0.85	0.80	0.65

	THK mm	o.d.s. mm	NRC	SAA
c600	40	200	0.50	0.52
c600	40	300	0.70	0.68

	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	200	0.20	0.40	0.40	0.70	0.70	0.70
c600	40	300	0.30	0.50	0.60	0.90	0.90	0.90



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 5,21

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

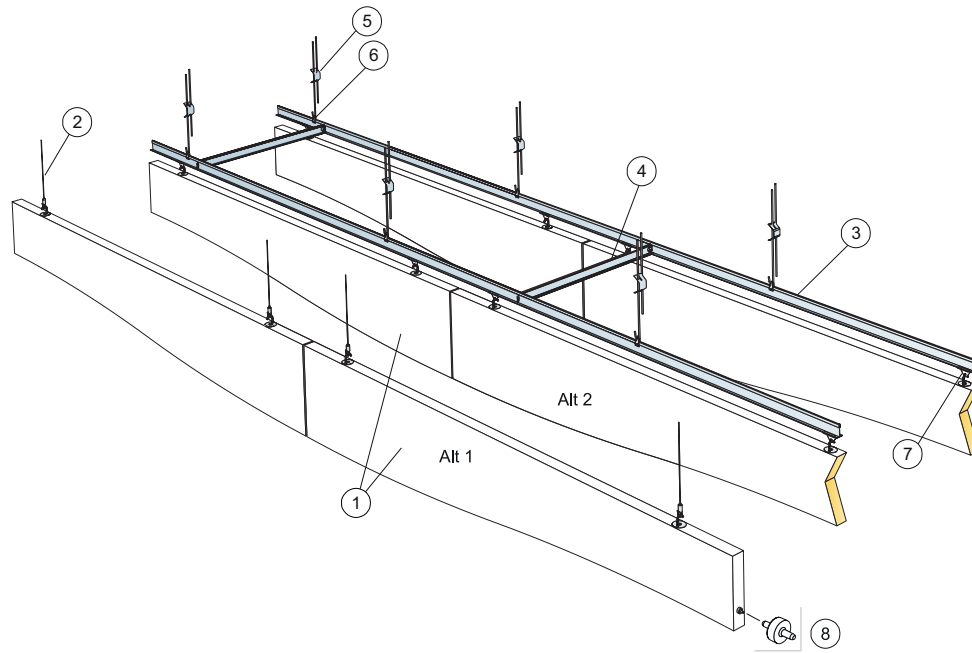
Additional live load has to be fixed to the soffit.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

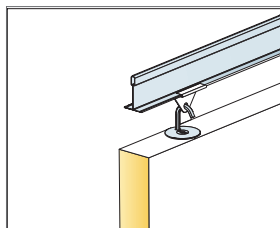
INSTALLATION DIAGRAM (M495) FOR ECOPHON SOLO BAFFLE WAVE/HOOK



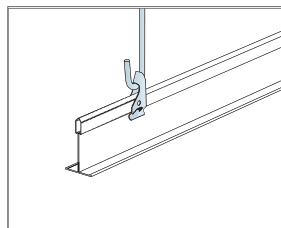
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

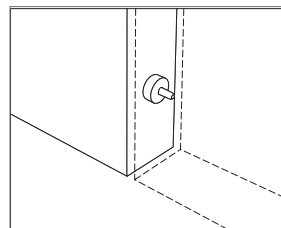
	Size, mm	
	1800x300	1800x600
1 Solo Baffle Wave/hook, installed at 600 mm centres	0,9/m ²	0,9/m ²
2 Connect Adjustable wire hanger (Alt 1)	2/panel	2/panel
3 Connect T24 Main runner, installed at 600 mm centres (Alt 2)	1,7m/m ²	1,7m/m ²
4 Connect T24 Cross tee, L=600 mm, installed at 1800 mm centres (Alt 2)	0,6m/m ²	0,6m/m ²
5 Connect Adjustable hanger c1200 (Alt 2)	1,4/m ²	1,4/m ²
6 Connect Hanger clip (Alt 2)	1,4/m ²	1,4/m ²
7 Connect Baffle clip (Alt 2)	1,8/m ²	1,8/m ²
8 Connect Guiding pin, installed at 1800 mm centres	0,9/m ²	0,9/m ²



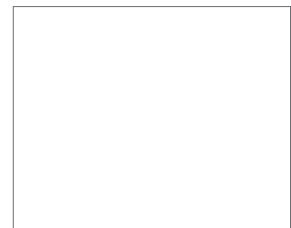
Detail of suspension



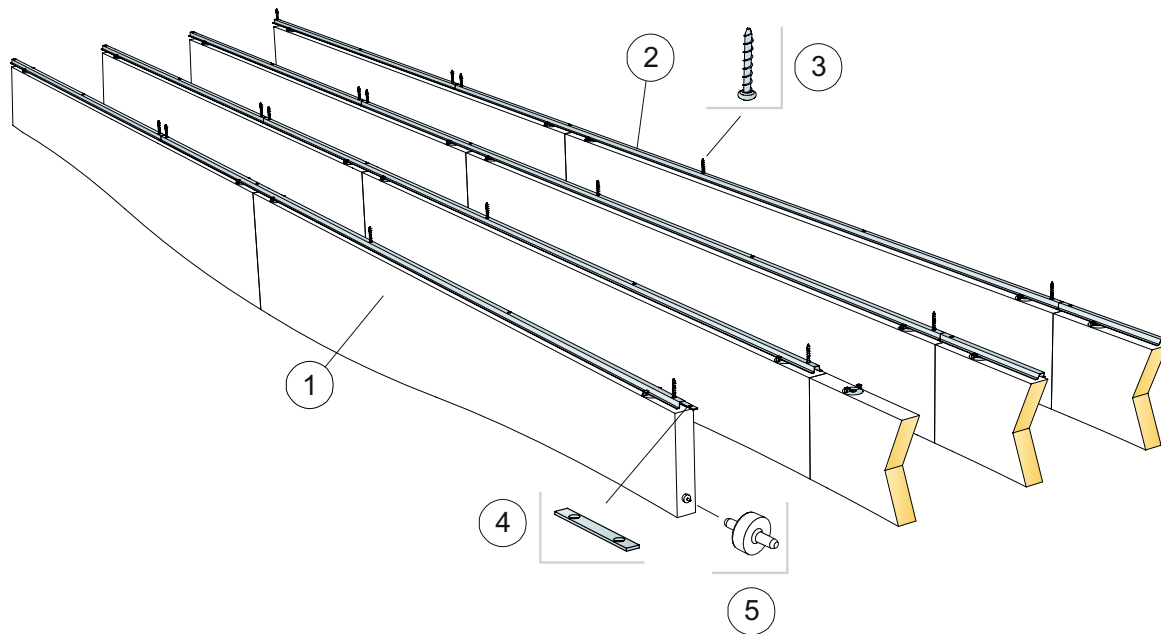
Suspension with adjustable hanger and clip



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

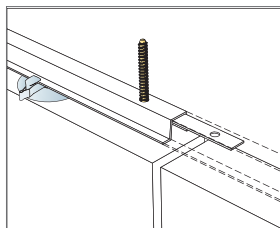


INSTALLATION DIAGRAM (M419) FOR ECOPHON SOLO BAFFLE WAVE/ANCHOR

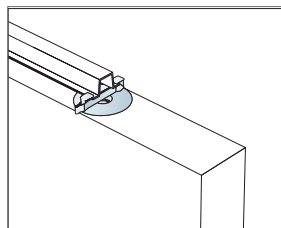


QUANTITY SPECIFICATION (EXCL. WASTAGE)

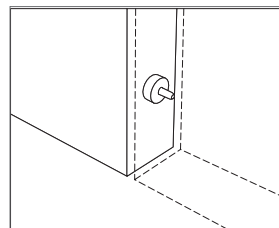
		Size, mm	
		1800x300	1800x600
1	Solo Baffle Wave/anchor, installed at 300 mm centres	1,9/m ²	1,9/m ²
2	Connect Baffle profile, installed at 300 mm centres	3,3m/m ²	3,3m/m ²
3	Connect Anchor screw, fixed at 1200 mm centres	2,8/m ²	2,8/m ²
4	Connect Profile connector, installed at 2400 mm centres	1,4/m ²	1,4/m ²
5	Connect Guiding pin, installed at 1800 mm centres	1,9/m ²	1,9/m ²



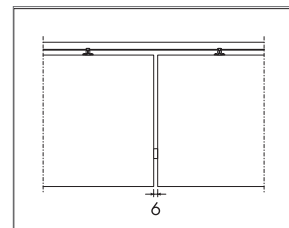
Fixing of Connect Profile connector



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



Ecophon Solo™ Baffle ZigZag

Ecophon Solo™ Baffle ZigZag is an 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.

Ecophon Solo™ Baffle ZigZag gives the room a special design and possibility to express design in shape and colours.

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 ZigZag/anchor or Solo Baffle ZigZag/hook

and Connect™ accessories with an approximate weight of 2-3 kg/m. The Solo Baffle ZigZag is available in sizes 1800x600/300x40 and 1800x300/200x40 mm. The baffles are manufactured from high density glass wool, with Akutex™ FT surface on both sides. The edges are straight cut and painted. Ecophon Solo™ Baffle ZigZag is an easily demountable systems.

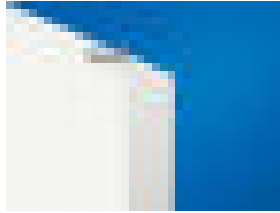


Unspecified

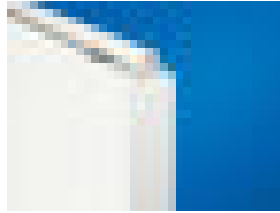
SYSTEM RANGE



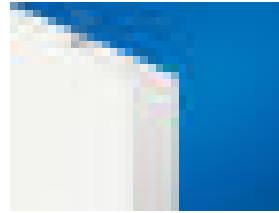
Size, mm	1800x300	1800x600
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diagr.	M496, M417	M496, M417



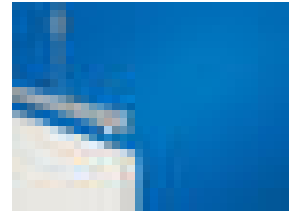
Solo Baffle ZigZag/anchor



Solo Baffle ZigZag/anchor installation



Solo Baffle ZigZag/hook



Solo Baffle ZigZag/hook installation

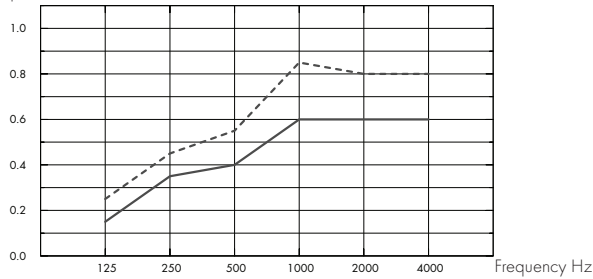


Acoustic

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

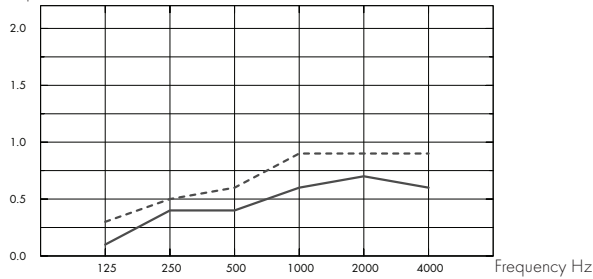


— Solo Baffle ZigZag 1800x300/200, spacing 600, direct mounting

--- Solo Baffle ZigZag 1800x600/300, spacing 600, direct mounting

o.d.s = overall depth of system

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



— Solo Baffle ZigZag 1800x300/200

--- Solo Baffle ZigZag 1800x600/300

o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
c600	40	200	0.15	0.35	0.40	0.60	0.60	0.60	0.50
c600	40	300	0.25	0.45	0.55	0.85	0.80	0.80	0.65

	THK mm	o.d.s. mm	NRC	SAA
c600	40	200	0.50	0.49
c600	40	300	0.65	0.65

	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	200	0.10	0.40	0.40	0.60	0.70	0.60
c600	40	300	0.30	0.50	0.60	0.90	0.90	0.90



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



CO₂

Kg CO₂ equiv/m²

8,07

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

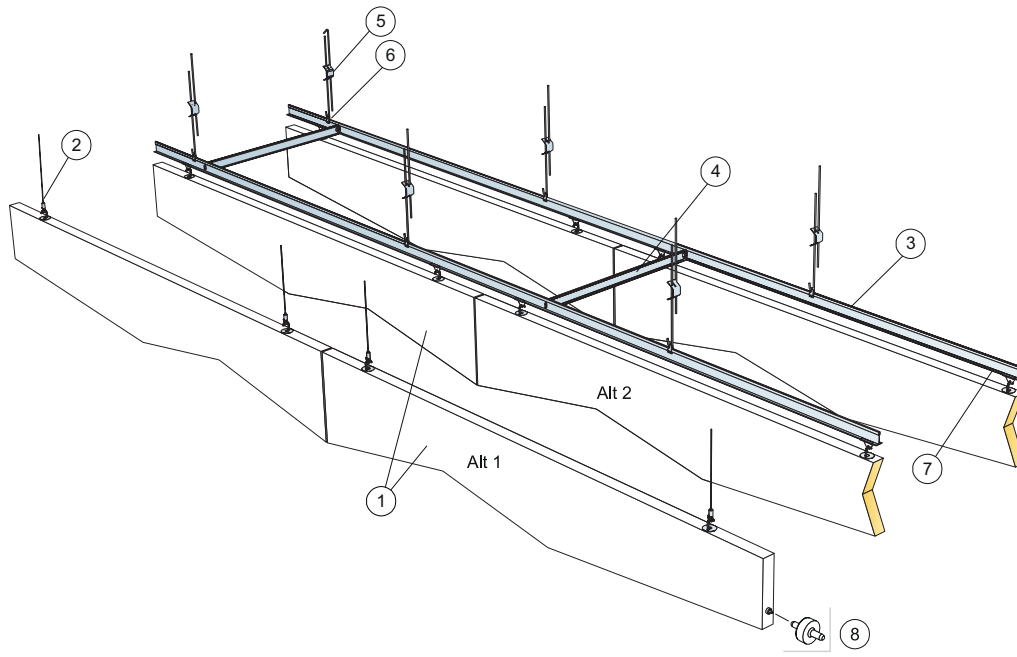
Additional live load has to be fixed to the soffit.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

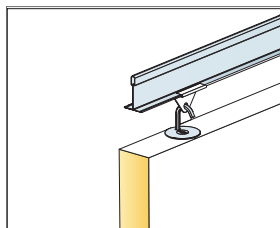
INSTALLATION DIAGRAM (M496) FOR ECOPHON SOLO BAFFLE ZIGZAG/HOOK



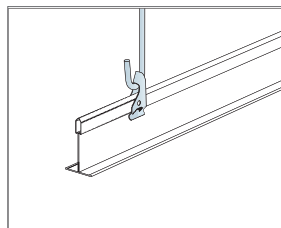
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

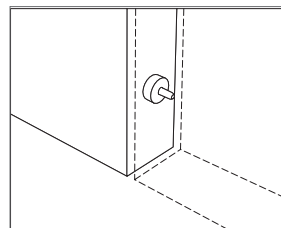
	Size, mm	
	1800x300	1800x600
1 Solo Baffle ZigZag/hook	0,9/m ²	0,9/m ²
2 Connect Adjustable wire hanger (Alt 1)	2/panel	2/panel
3 Connect T24 Main runner, installed at 600 mm centres (Alt 2)	1,7m/m ²	1,7m/m ²
4 Connect T24 Cross tee, L=600 mm, installed at 1800 mm centres (Alt 2)	0,6m/m ²	0,6m/m ²
5 Connect Adjustable hanger c1200 (Alt 2)	1,4/m ²	1,4/m ²
6 Connect Hanger clip (Alt 2)	1,4/m ²	1,4/m ²
7 Connect Baffle clip (Alt 2)	1,8/m ²	1,8/m ²
8 Connect Guiding pin, installed at 1800 mm centres	0,9/m ²	0,9/m ²



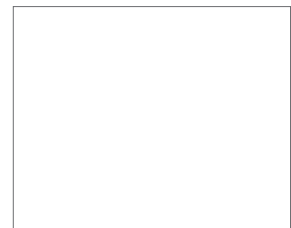
Detail of suspension



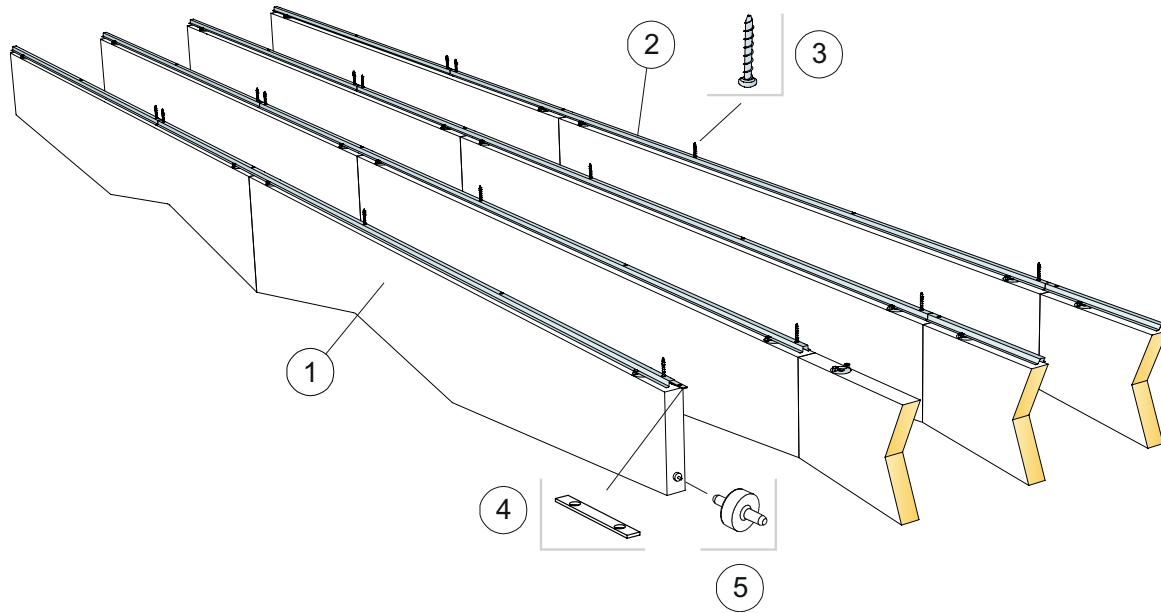
Suspension with adjustable hanger and clip



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

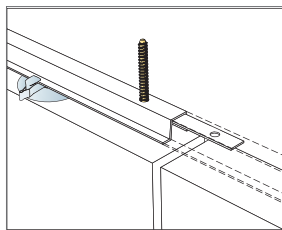


INSTALLATION DIAGRAM (M417) FOR ECOPHON SOLO BAFFLE ZIGZAG/ANCHOR

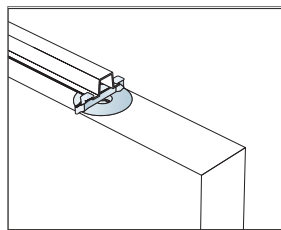


QUANTITY SPECIFICATION (EXCL. WASTAGE)

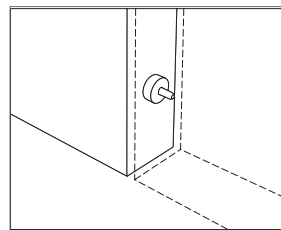
	Size, mm	
	1800x300	1800x600
1 Solo Baffle ZigZag/anchor, installed at 300 mm centres	1,9/m ²	1,9/m ²
2 Connect Baffle profile, installed at 300 mm centres	3,3m/m ²	3,3m/m ²
3 Connect Anchor screw, fixed at 1200 mm centres	2,8/m ²	2,8/m ²
4 Connect Profile connector, installed at 2400 mm centres	1,4/m ²	1,4/m ²
5 Connect Guiding pin, installed at 1800 mm centres	1,9/m ²	1,9/m ²



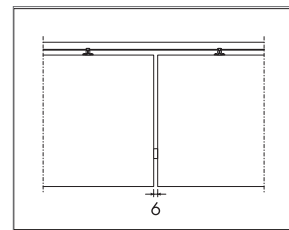
Fixing of Connect Profile connector



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

Ecophon Solo™ Baffle Wall

Solo Baffle ZigZag is vertically installed unframed baffles. The zigzag-shaped baffle gives the room a special design and possibility to express design in shape and colour. Baffles are used primarily when natural light is brought into the room via skylight.

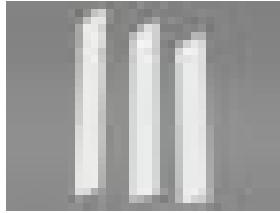


Clientele, Johannesburg, South Africa

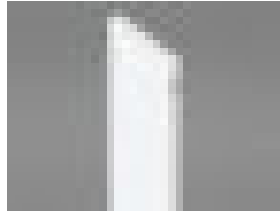
SYSTEM RANGE



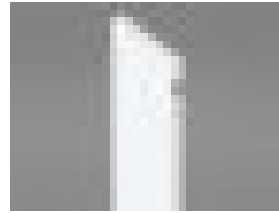
Size, mm	1200x200	1200x300
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diag.	M420	M420



Solo Baffle Wall



Solo Baffle/anchor



Solo Baffle/anchor with Connect Baffle Wall fixing



Acoustics

For acoustic data on the Baffle - please see Solo Baffle.



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 8,07

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

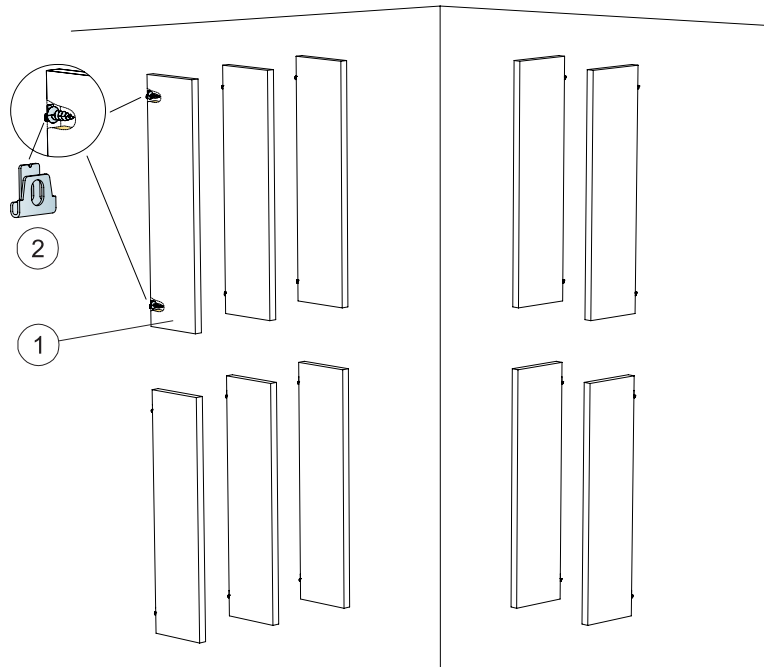
Additional live load has to be fixed to the soffit.



CE

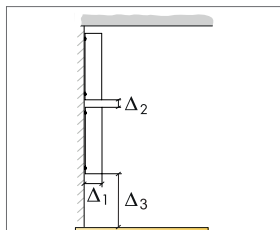
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M420) FOR ECOPHON SOLO BAFFLE WALL

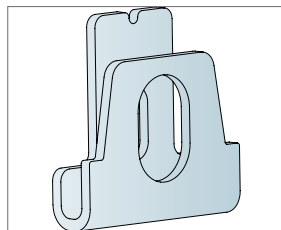


QUANTITY SPECIFICATION (EXCL. WASTAGE)

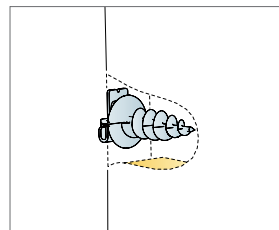
	Size, mm	
	1200x200	1200x300
1 Solo Baffle/anchor, installed at 300 mm centres	2,8/m ²	2,8/m ²
2 Connect Baffle wall fixing	2/panel	2/panel
$\Delta 1$ Min. overall depth of system: $\Delta 1$ 212mm / 312mm	-	-
$\Delta 2$ Min. overall depth of system: $\Delta 2$ 20mm	-	-
$\Delta 3$ Min. overall depth of system: $\Delta 3$ 2500mm	-	-



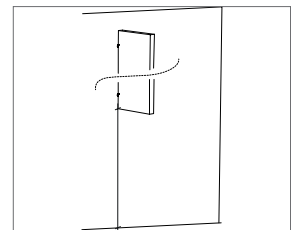
See Quantity specification



Detail of Connect Baffle wall bracket



Detail of panel



Mounting high min 2,5m.

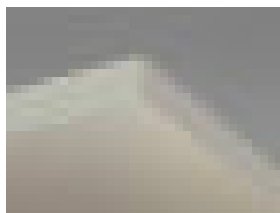
Ecophon Solo™ Steel

Ecophon Solo™ Steel is a panel covered in perforated steel on all sides, painted with powder coating. The premium free-hanging unit combines high acoustic performance with design and robustness. Solo Steel is easy to install and available in a range of colours.

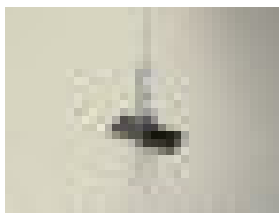


SYSTEM RANGE

Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diag.	M512



Solo Steel panel



Solo Steel installation



Solo Steel



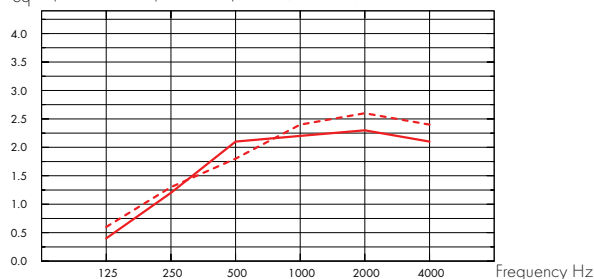
Acoustics

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 Steel 1200x1200, 200 mm o.d.s.

- - - Solo Steel 1200x1200, 400 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	0.40	1.20	2.10	2.20	2.30	2.10
40	400	0.60	1.30	1.80	2.40	2.60	2.40



Indoor Air Quality

Certificate / Label

French VOC, A+



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

Light reflectance and nearest NCS colour sample for all the different colours: See Ecophon Colours and surfaces. (The tiles need to be installed in accordance with the installation guide in order to get optimal visual appearance).



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

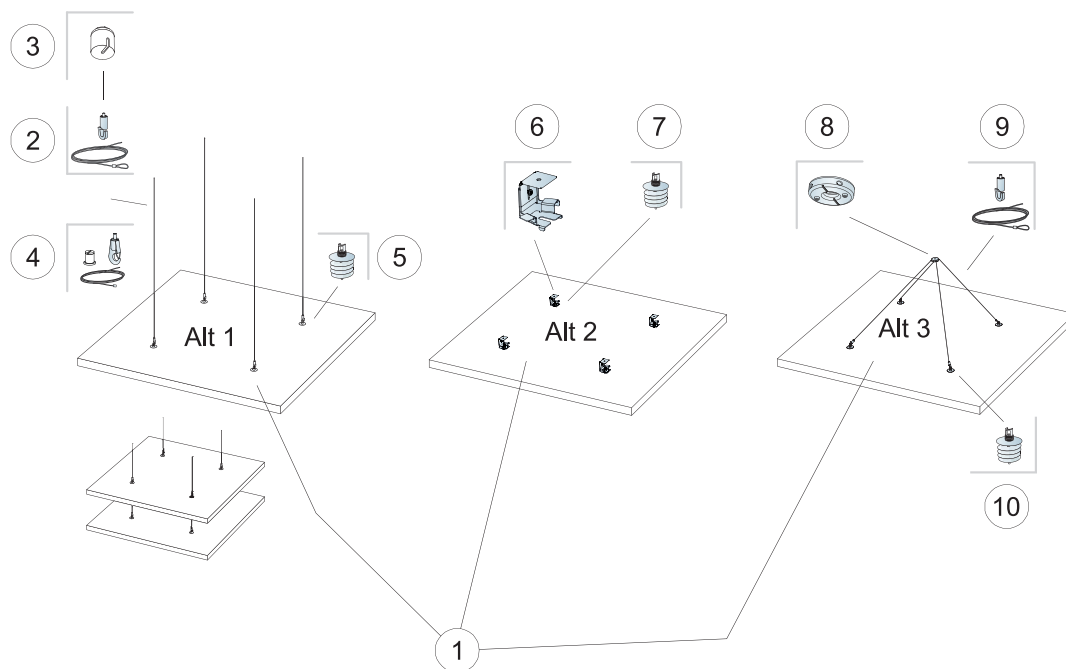
No additional live load is allowed.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

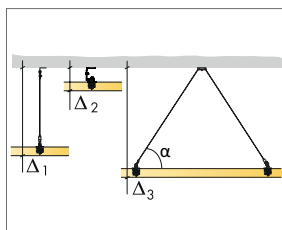
INSTALLATION DIAGRAM (M402) FOR ECOPHON SOLO SQUARE



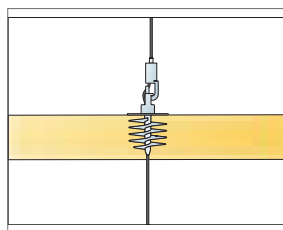
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		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 Absorber bracket (Alt 2)	4/panel
7	Connect Absorber anchor (Alt 2)	4/panel
8	Connect One-point fixing (Alt 3)	1/panel
9	Connect Adjustable wire hanger (Alt 3)	2/panel
10	Connect Absorber anchor (Alt 3)	4/panel

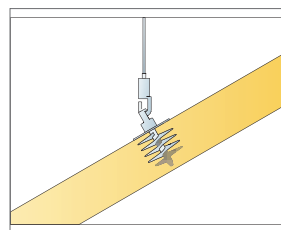
Δ Min. overall depth of system: Δ1 130 mm / Δ2 90 mm / Δ3 500 mm



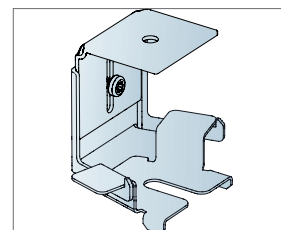
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles up to 60°



Details of Absorber bracket. Overall depth of system between 90-130mm

Ecophon Solo™ Textile

Solo Textile is a panel fully covered in textile fabric, available in a range of colours. The premium free-hanging unit combines high acoustic performance with elegance and design. Solo Textile entices the senses, contributing to a full sensory experience.

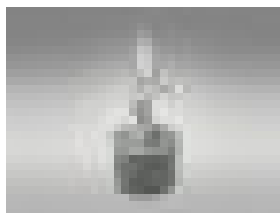


Solo Textile 2020, United Kingdom

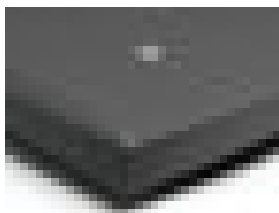
SYSTEM RANGE



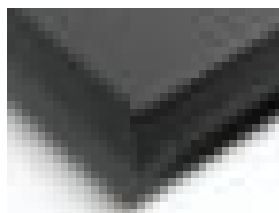
Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diag.	M482



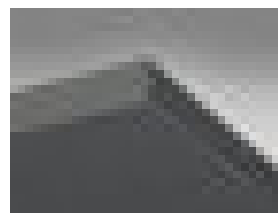
Suspension with Connect Adjustable wire hanger and Connect Absorber



Solo Textile pre-cut hole



Solo Textile corner



Solo Textile panel



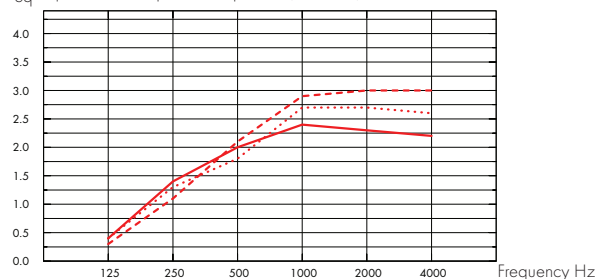
Acoustics

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 Textile 1200x1200, 200 mm o.d.s.
 - Solo Textile 1200x1200, 400 mm o.d.s.
 - Solo Textile 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
1200x1200	40	200	0.40	1.40	2.00	2.40	2.30	2.20
1200x1200	40	400	0.40	1.30	1.80	2.70	2.70	2.60
1200x1200	40	1000	0.30	1.10	2.10	2.90	3.00	3.00



Indoor Air Quality

Certificate / Label

French VOC, A



Circularity

Fully recyclable.



Fire safety

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

See table



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

Light reflectance and nearest NCS colour sample for all the different colours: See Ecophon Colours and surfaces. (The tiles need to be installed in accordance with the installation guide in order to get optimal visual appearance).



Cleanability

Weekly dusting and vacuum cleaning.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

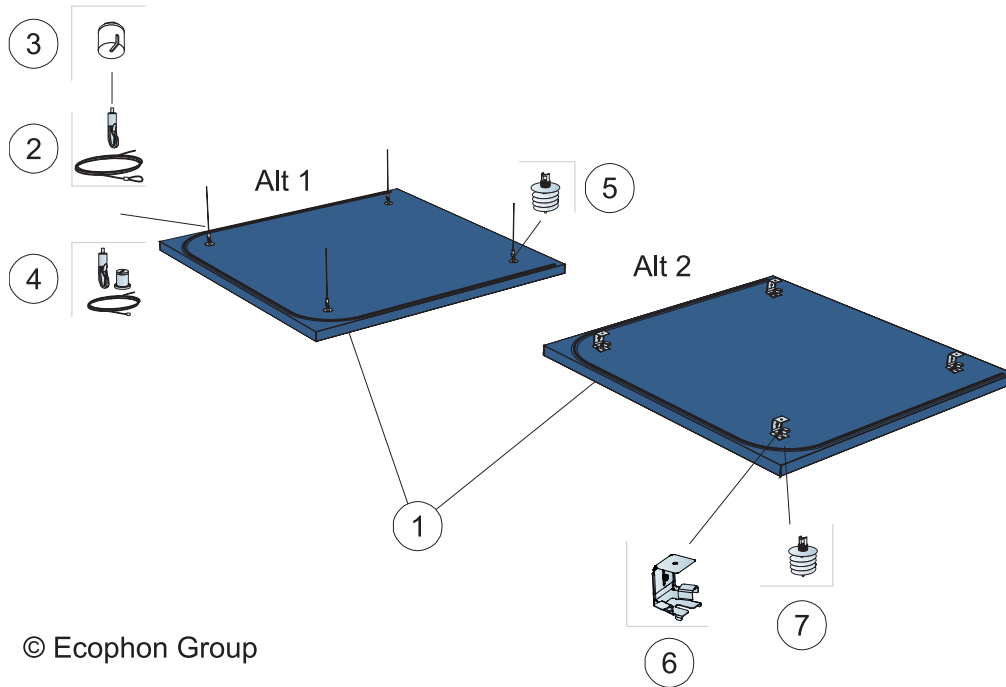
No additional live load is allowed.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M482) FOR ECOPHON SOLO TEXTILE

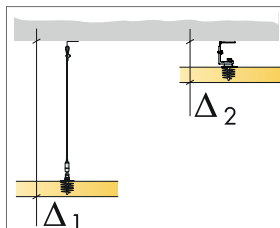


© Ecophon Group

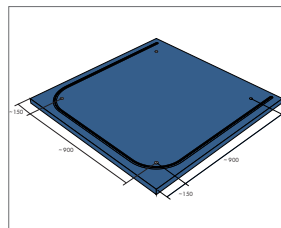
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Textile	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 Absorber bracket (Alt 2)	4/panel
7	Connect Absorber anchor (Alt 2)	4/panel

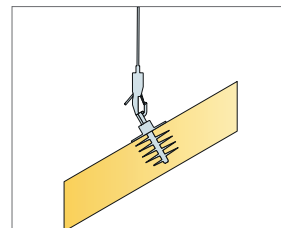
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm



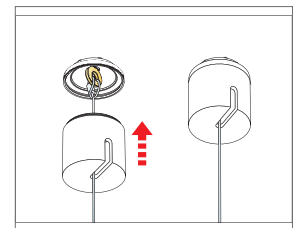
See Quantity specification



Installation dimensions



Panels can be installed in angles



Installation of Connect Covering cup

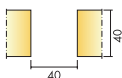
Ecophon Solo™ Matrix

The system provides quick and easy installation with highest accuracy and a vast range of design possibilities. Each panel has a built in hatch function, and can easily be demounted. Suitable for larger areas where high coverage is required but a wall to wall solution is not possible.

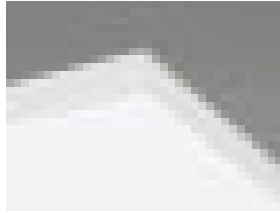


Nowy Styl Group, Kraków, Poland

SYSTEM RANGE



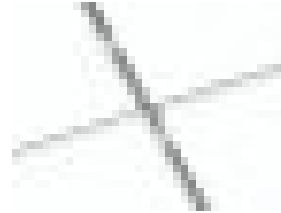
Size, mm	600x1040	600x1200	600x2400	1200x1040	1200x1200	2400x1040	2400x1200
T24	•	•	•	•	•	•	•
Thickness (THK)	40	40	40	40	40	40	40
Inst. Diagr.	M502	M501, M503	M501, M503	M502	M501	M502	M501



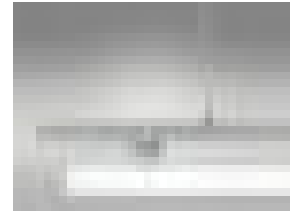
Solo Matrix panel



Connect Panel Cross Bar on rear side of Solo Matrix panel



Solo Matrix system



Section of Solo Matrix system



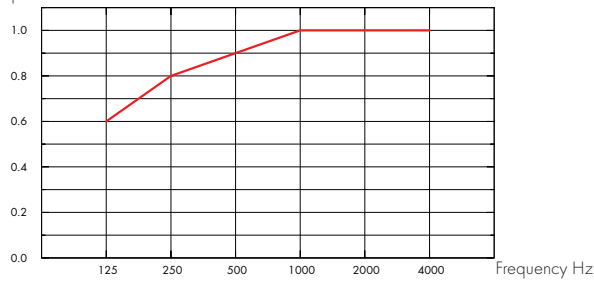
Acoustics

The first diagram refers to clusters >10 m². The second diagram to a cluster of four panels (1200x1040 mm) in a row with a distance of 40 mm. If the clusters are arranged with distances between the clusters <0,5 meters, the Aeq per cluster will be slightly reduced.

Sound Absorption:

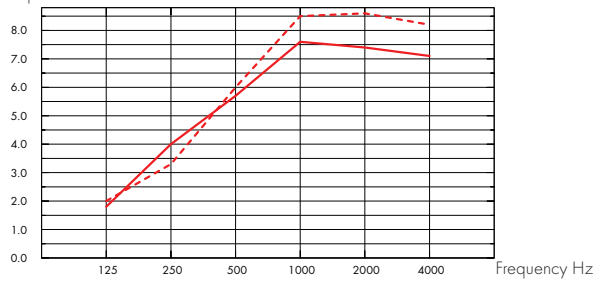
Test results according to EN ISO 354. Classification according to EN ISO 11654.

α_p Practical sound absorption coefficient



— Solo Matrix 40 mm, 300 mm o.d.s.
o.d.s = overall depth of system

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



— Solo Matrix 40 mm, 300 mm o.d.s.
- - - Solo Matrix 40 mm, 600 mm o.d.s.
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		
40	300	0.60	0.80	0.90	1.00	1.00	1.00	1.00	A

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	300	1.80	4.00	5.70	7.60	7.40	7.10
40	600	2.00	3.30	6.00	8.50	8.60	8.20



Indoor Air Quality

Certificate / Label

Finnish M1

French VOC, A+



Environmental Footprint

Kg CO₂ equiv/m²: 4,36

From EPD in conformity with ISO 14025 / EN 15804



Circularity

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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

Each panel is individually demountable from below. Panels are equipped with hatch function.



Installation

For design possibilities including installation direction and integrations, see installation guides, installation diagrams and drawing aid. For information regarding minimum overall depth of system see quantity specification.



Mechanical properties

The panels can take small loads with largest aperture diameter of 100 mm. The load is restricted to maximum 250g between two Panel cross bars. For heavier loads see Installation guide.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



Ecophon Solo™ Circle Akutex HS

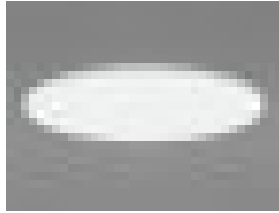
Solo Circle Akutex HS is a water resistant free hanging unit, offering a high degree of design possibility. Solo Circle Akutex HS is primarily suited for swimming pool areas with high humidity and occasional direct water.



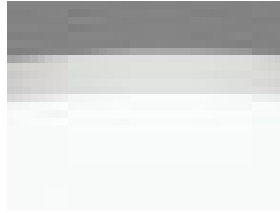
SYSTEM RANGE



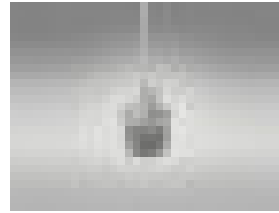
Size, mm	Ø800	Ø1200
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diag.	M437C4	M442C4



Solo Circle Akutex HS



Solo Circle Akutex HS tile



Suspension with Adjustable Hanger C4 and Absorber Anchor



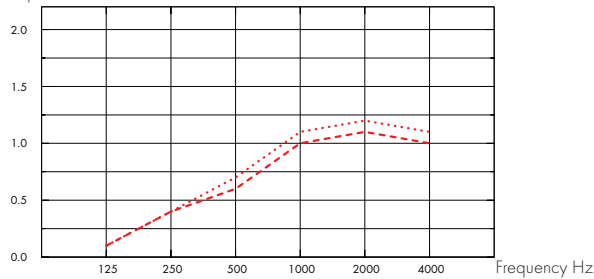
Acoustics

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/Akutex HS Ø800, 400 mm o.d.s.
 ... Solo Circle/Akutex HS Ø800, 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
Ø800	40	400	0.10	0.40	0.60	1.00	1.10	1.00
Ø800	40	1000	0.10	0.40	0.70	1.10	1.20	1.10
Ø1200	40	400	0.30	0.90	1.40	2.10	2.10	2.00
Ø1200	40	1000	0.20	0.80	1.50	2.30	2.30	2.20



Indoor Air Quality

Certificate / Label

French VOC, A

Finnish M1



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.



Humidity Resistance

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



Visual appearance

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



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

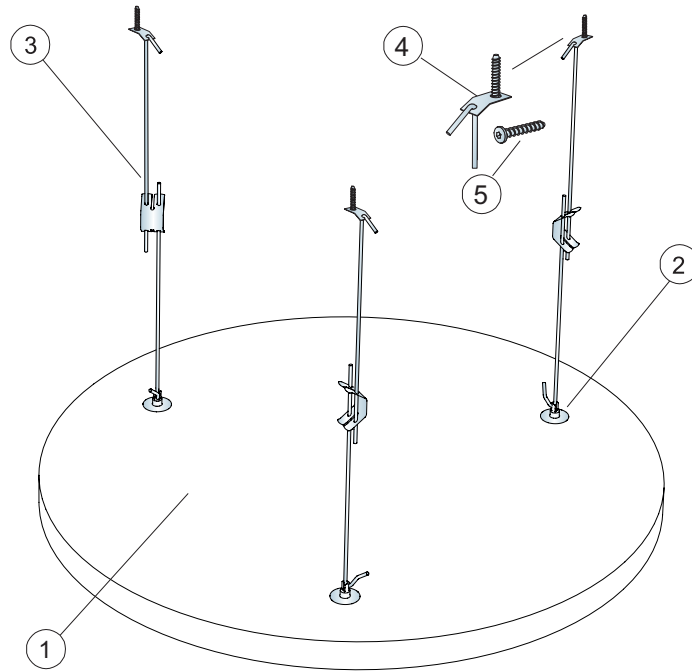
No additional live load is allowed.



CE

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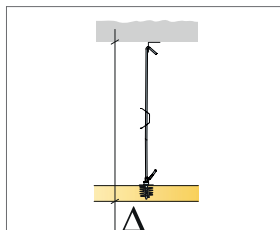
INSTALLATION DIAGRAM (M437C4) FOR ECOPHON SOLO CIRCLE AKUTEX HS C4



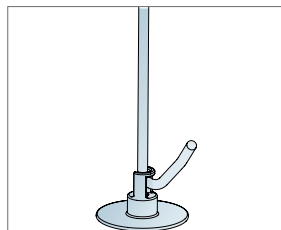
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø800
1	Solo Circle Akutex HS	0,5m ² /panel
2	Connect Absorber Anchor	3/panel
3	Connect Adjustable Hanger C4	3/panel
4	Connect Fixing Plate C4	3/panel
5	Connect Anchor Screw C4	3/panel

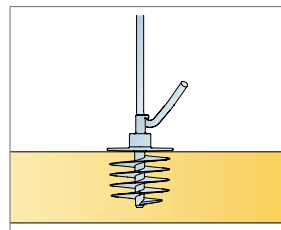
Δ Min. overall depth of system: Δ 410 mm



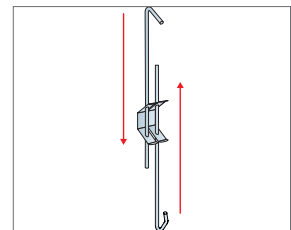
See Quantity Specification



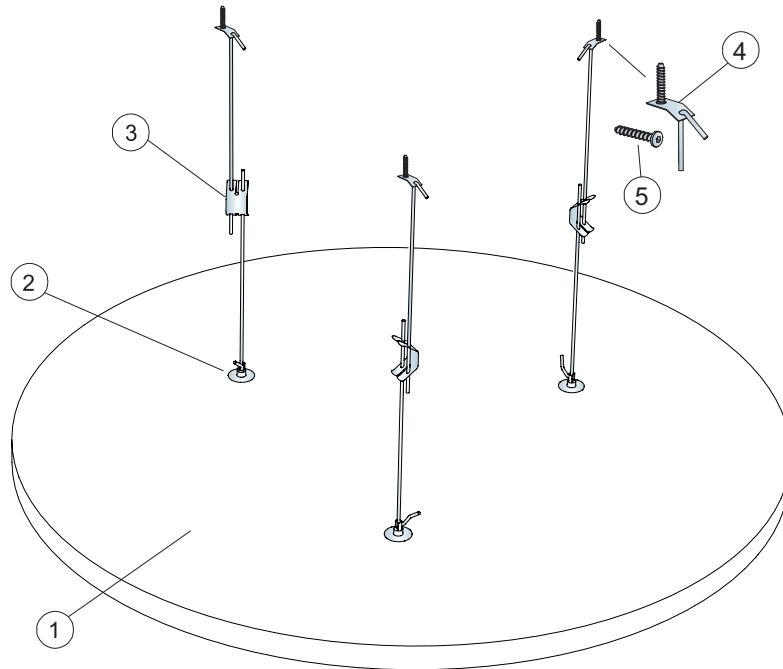
Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



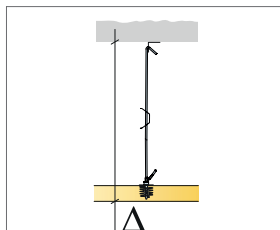
Adjustable suspension with Connect Adjustable Hanger C4



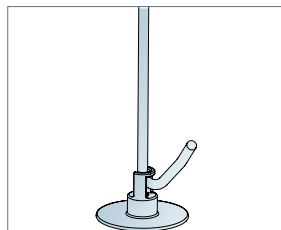
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø1200
1	Solo Circle Akutex HS	1,13m ² /panel
2	Connect Absorber Anchor	3/panel
3	Connect Adjustable Hanger C4	3/panel
4	Connect Fixing Plate C4	3/panel
5	Connect Anchor Screw C4	3/panel

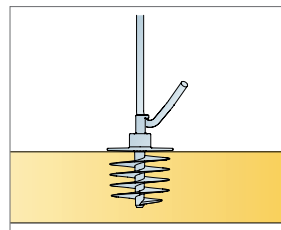
Δ Min. overall depth of system: Δ 410 mm



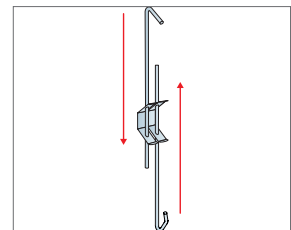
See Quantity Specification



Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect Adjustable Hanger C4



Ecophon Solo™ Square Akutex HS

Solo Square Akutex HS is a water resistant free hanging unit, offering a high degree of design possibility. Solo Square Akutex HS is primarily suited for swimming pool areas with high humidity and occasional direct water.



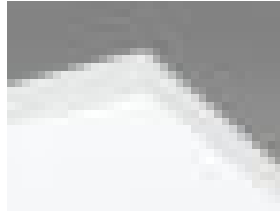
SYSTEM RANGE



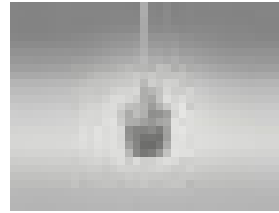
Size, mm	1200x1200
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M438C4



Solo Square Akutex HS



Solo Rectangle Akutex HS tile



Suspension with Adjustable Hanger C4 and Absorber Anchor



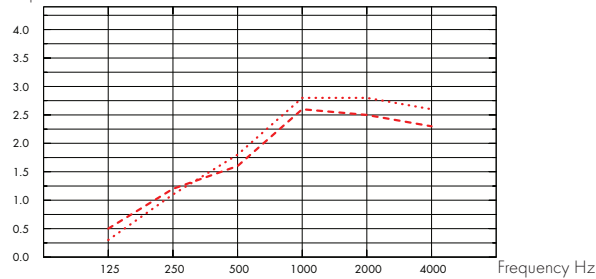
Acoustics

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/Akutex HS, 400 mm o.d.s.

... Solo Square 1200x1200/Akutex HS, 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	400	0.50	1.20	1.60	2.60	2.50	2.30
40	1000	0.30	1.10	1.80	2.80	2.80	2.60



Indoor Air Quality

Certificate / Label

French VOC, A

Finnish M1



Circularity

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.



Humidity Resistance

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



Visual appearance

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



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



Mechanical properties

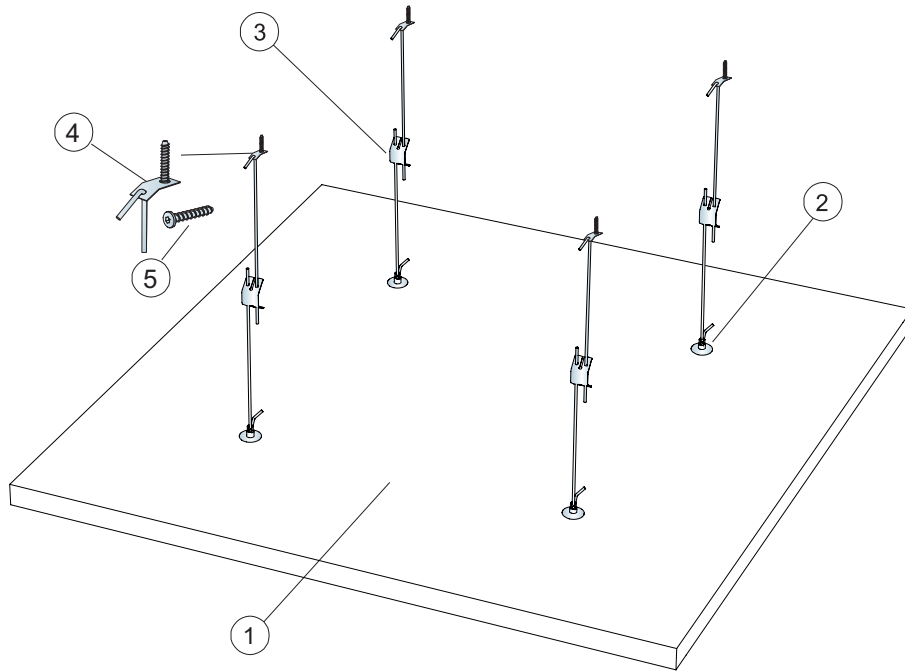
No additional live load is allowed.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

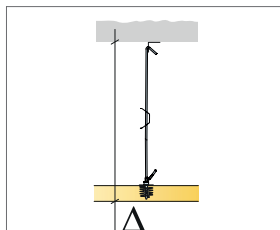
INSTALLATION DIAGRAM (M438C4) FOR ECOPHON SOLO™ SQUARE AKUTEX HS C4



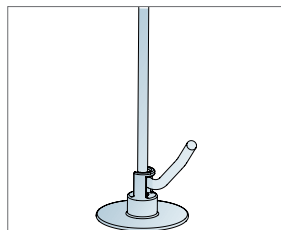
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Square Akutex HS	1,44m ² /panel
2	Connect Absorber Anchor	4/panel
3	Connect Adjustable Hanger C4	4/panel
4	Connect Fixing Plate C4	4/panel
5	Connect Anchor Screw C4	4/panel

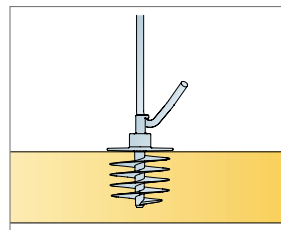
Δ Min. overall depth of system: Δ 410 mm



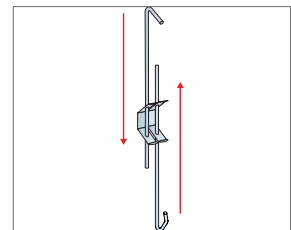
See Quantity Specification



Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect Adjustable Hanger C4



Ecophon Solo™ Rectangle Akutex HS

Solo Rectangle Akutex HS is a water resistant free hanging unit, offering a high degree of design possibility. Solo Rectangle Akutex HS is primarily suited for swimming pool areas with high humidity and occasional direct water.



SYSTEM RANGE



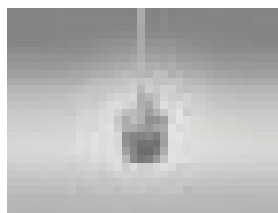
Size, mm	1800x1200	2400x1200
Special Fixing	•	•
Thickness (THK)	40	40
Inst. Diag.	M436C4	M441C4



Solo Rectangle Akutex HS



Solo Rectangle Akutex HS tile



Suspension with Adjustable Hanger C4 and Absorber Anchor



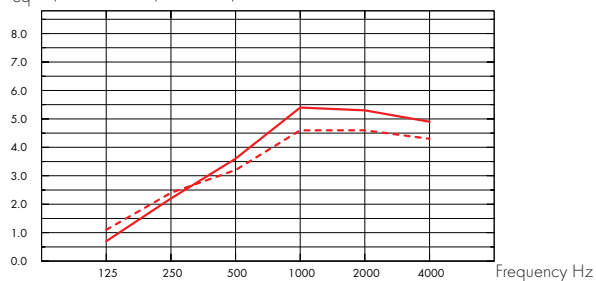
Acoustics

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)

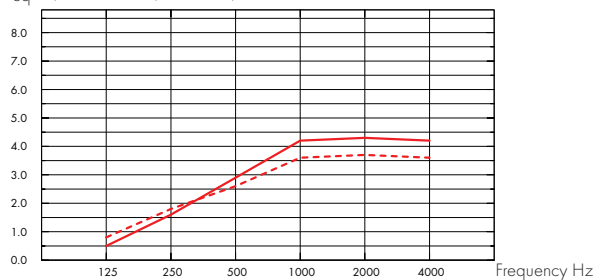


--- Solo Rectangle 2400x1200/Akutex HS, 400 mm o.d.s.

— Solo Rectangle 2400x1200/Akutex HS, 1000 mm o.d.s.

o.d.s = overall depth of system

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



--- Solo Rectangle 1800x1200/Akutex HS, 400 mm o.d.s.

— Solo Rectangle 1800x1200/Akutex HS, 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
2400x1200	40	400	1.10	2.40	3.20	4.60	4.60	4.30
2400x1200	40	1000	0.70	2.20	3.60	5.40	5.30	4.90
1800x1200	40	400	0.80	1.80	2.60	3.60	3.70	3.60
1800x1200	40	1000	0.50	1.60	2.90	4.20	4.30	4.20



Indoor Air Quality

Certificate / Label

French VOC, A

Finnish M1



Circularity

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.



Humidity Resistance

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



Visual appearance

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



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Accessibility

The tiles are demountable.



Installation

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



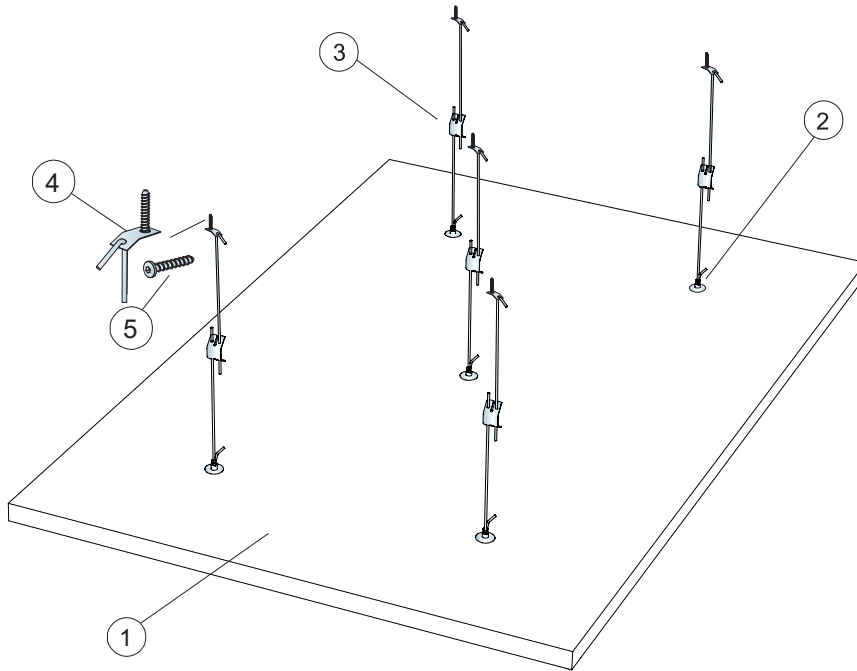
Mechanical properties

No additional live load is allowed.



CE

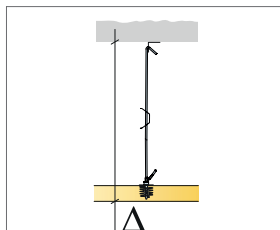
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



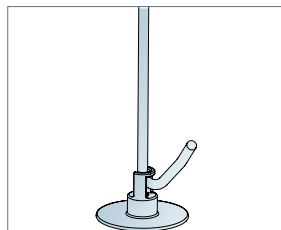
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1800x1200
1	Solo Rectangle Akutex HS	2,16m ² /panel
2	Connect Absorber Anchor	5/panel
3	Connect Adjustable Hanger C4	5/panel
4	Connect Fixing Plate C4	5/panel
5	Connect Anchor Screw C4	5/panel

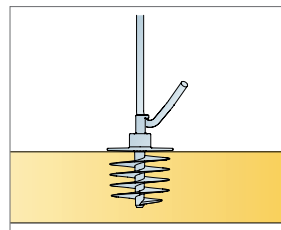
Δ Min. overall depth of system: Δ 410 mm



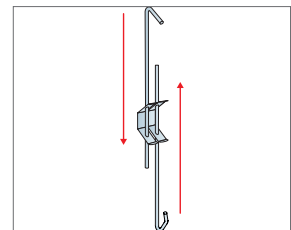
See Quantity Specification



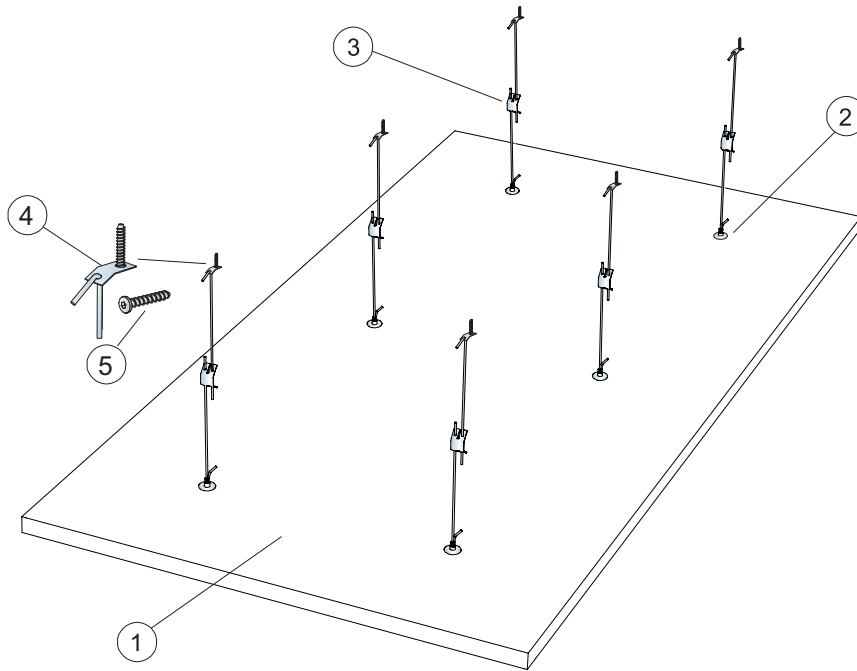
Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



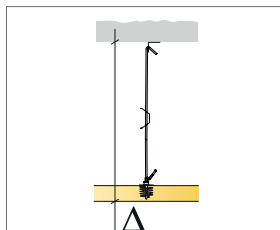
Adjustable suspension with Connect Adjustable Hanger C4



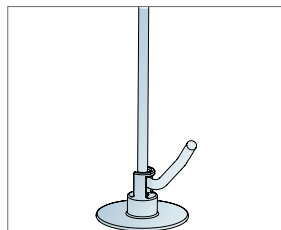
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2400x1200
1	Solo Rectangle Akutex HS	2,88m ² /panel
2	Connect Absorber Anchor	6/panel
3	Connect Adjustable Hanger C4	6/panel
4	Connect Fixing Plate C4	6/panel
5	Connect Anchor Screw C4	6/panel

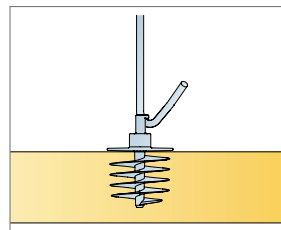
Δ Min. overall depth of system: Δ 410 mm



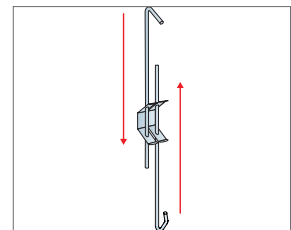
See Quantity Specification



Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect Adjustable Hanger C4