

# Ecophon Solo™ Square

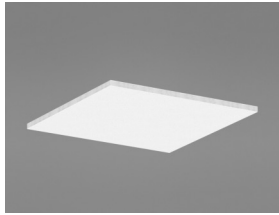
Solo Square is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



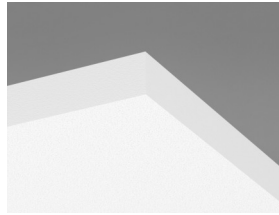
Impol Papier, Bardo (Dolnośląskie), Poland

## SYSTEM RANGE

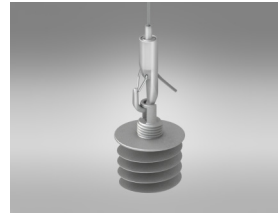
|                          |                 |            |
|--------------------------|-----------------|------------|
| <input type="checkbox"/> | Size, mm        | 1200x1200  |
|                          | Special Fixing  | •          |
|                          | Thickness (THK) | 40         |
|                          | Inst. Diag.     | M402, M507 |



Solo Square



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



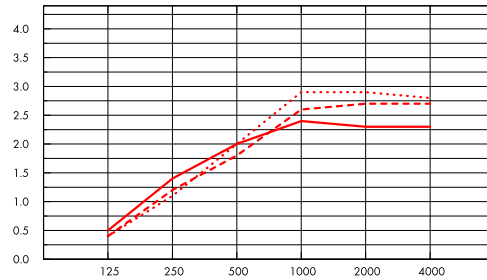
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 40        | 200       | 0.5                                                                        | 1.4    | 2.0    | 2.4     | 2.3     | 2.3     |
| 40        | 400       | 0.4                                                                        | 1.2    | 1.8    | 2.6     | 2.7     | 2.7     |
| 40        | 1000      | 0.4                                                                        | 1.1    | 2.0    | 2.9     | 2.9     | 2.8     |



## Indoor Air Quality

| Certificate / Label          | Plant |          |
|------------------------------|-------|----------|
| Eurofins Indoor Air Comfort® | IAC   | IAC Gold |
| French VOC                   | A     | A+       |
| Finnish M1                   | •     | •        |



## Environmental Footprint

|                   | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|-------------------|-----------------------------------------|
| Solo Square       | 9,37                                    |
| Solo Square/Plant | 5,21                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



### Fire safety

| Country | 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

| Product  |                          |
|----------|--------------------------|
| Standard | Class C, RH 95% and 30°C |
| Plant    | Class A, RH 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.



### System weight

Approximately 6.5 kg (4.5 kg/m<sup>2</sup>).



### Mechanical properties

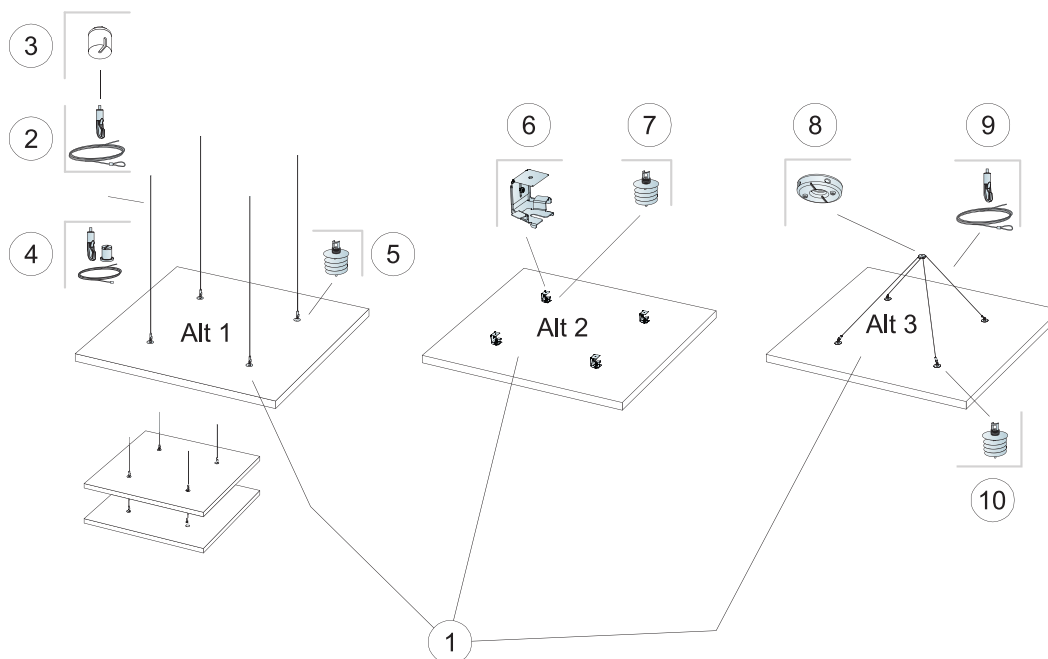
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).



### CE

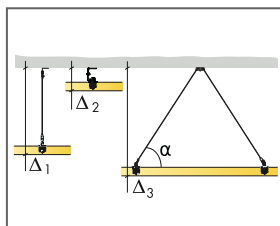
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M402) FOR ECOPHON SOLO SQUARE

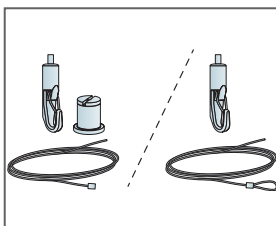


QUANTITY SPECIFICATION (EXCL. WASTAGE)

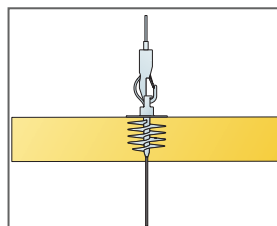
|                                                                  |                                               | Size, mm                  |
|------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                  |                                               | 1200x1200                 |
| 1                                                                | Solo Square                                   | 1,44m <sup>2</sup> /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 |                                               | -                         |



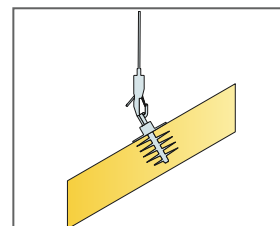
See Quantity specification



Two types of Adjustable wire solutions



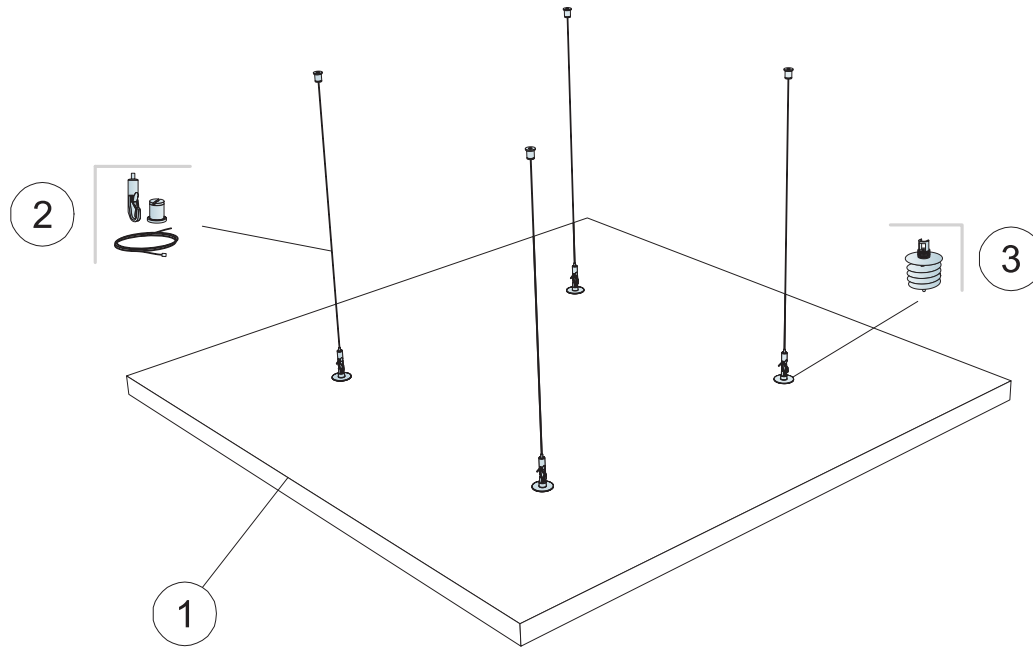
Panels can be suspended underneath each other



Panels can be installed in angles

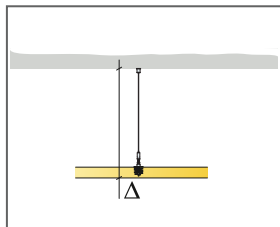


## INSTALLATION DIAGRAM (M507) FOR ECOPHON SOLO SQUARE KIT

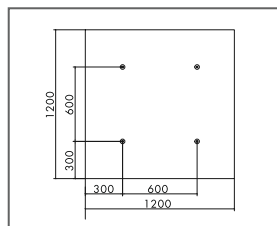


## QUANTITY SPECIFICATION (EXCL. WASTAGE)

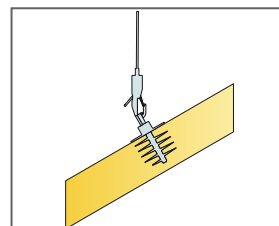
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 1200x1200                 |
| 1                                                                    | Solo Square Kit                               | 1,44m <sup>2</sup> /panel |
| 2                                                                    | Connect Adjustable wire kit 1500mm (included) | -                         |
| 3                                                                    | Connect Absorber anchor (included)            | -                         |
| Δ Min. overall depth of system: Δ 140 mm                             |                                               | -                         |
| To install Connect Absorber Anchor, use Connect Absorber Anchor Bit. |                                               | -                         |



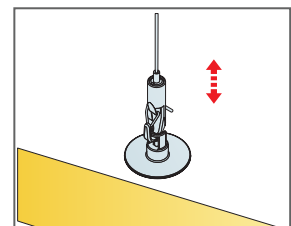
See Quantity specification



Suspension with absorber anchor, format 1200 x 1200



Panels can be installed in angles



Easily adjustable suspension with Connect Adjustable wire hanger

# Ecophon Solo™ Rectangle

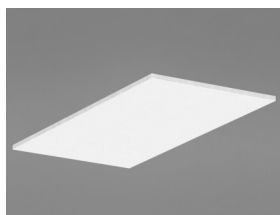
Solo Rectangle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



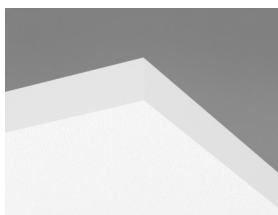
M30 Achterden, Oisterwijk, Netherlands

## 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      |



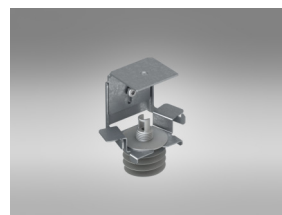
Solo Rectangle



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



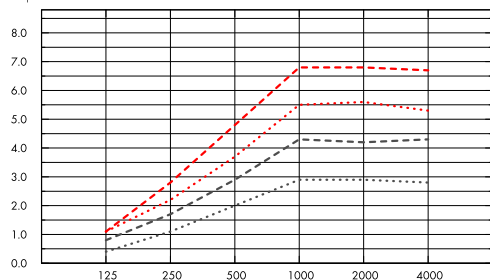
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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

Frequency Hz

|           | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 2400x1200 | 40        | 200       | 1.3                                                                        | 2.8    | 3.5    | 4.1     | 4.1     | 3.9     |
| 2400x1200 | 40        | 400       | 1.2                                                                        | 2.4    | 3.3    | 4.7     | 4.9     | 4.7     |
| 2400x1200 | 40        | 1000      | 1.1                                                                        | 2.2    | 3.7    | 5.5     | 5.6     | 5.3     |
| 1800x1200 | 40        | 200       | 0.6                                                                        | 2.0    | 2.9    | 3.4     | 3.3     | 3.1     |
| 1800x1200 | 40        | 400       | 0.8                                                                        | 1.9    | 2.6    | 3.7     | 3.7     | 3.6     |
| 1800x1200 | 40        | 1000      | 0.8                                                                        | 1.7    | 2.9    | 4.3     | 4.2     | 4.3     |
| 2400x600  | 40        | 200       | 0.5                                                                        | 1.4    | 2.0    | 2.4     | 2.3     | 2.3     |
| 2400x600  | 40        | 400       | 0.4                                                                        | 1.2    | 1.8    | 2.6     | 2.7     | 2.7     |
| 2400x600  | 40        | 1000      | 0.4                                                                        | 1.1    | 2.0    | 2.9     | 2.9     | 2.8     |
| 3000x1200 | 40        | 200       | 1.1                                                                        | 3.3    | 4.4    | 5.1     | 5.1     | 5.0     |
| 3000x1200 | 40        | 400       | 1.2                                                                        | 3.0    | 4.2    | 5.8     | 5.8     | 5.7     |
| 3000x1200 | 40        | 1000      | 1.1                                                                        | 2.8    | 4.8    | 6.8     | 6.8     | 6.7     |



## Indoor Air Quality

| Certificate / Label          | Plant |          |
|------------------------------|-------|----------|
| Eurofins Indoor Air Comfort® | IAC   | IAC Gold |
| French VOC                   | A     | A+       |
| Finnish M1                   | •     | •        |





## Environmental Footprint

|                      | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|----------------------|-----------------------------------------|
| Solo Rectangle       | 9,12                                    |
| Solo Rectangle/Plant | 5,32                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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

| Product  |                          |
|----------|--------------------------|
| Standard | Class C, RH 95% and 30°C |
| Plant    | Class A, RH 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.



## System weight

Approximately 6,5-17,5 kg.



## Mechanical properties

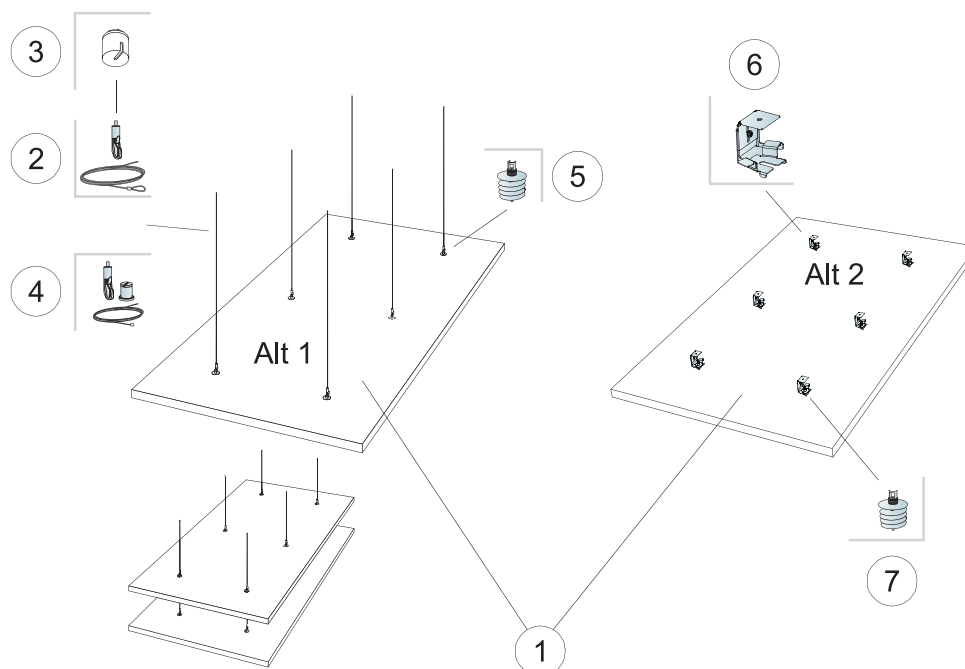
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).



## CE

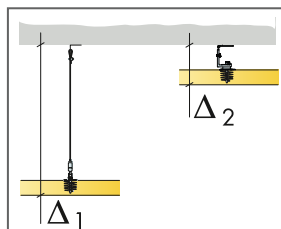
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M404) FOR ECOPHON SOLO RECTANGLE 1800X1200

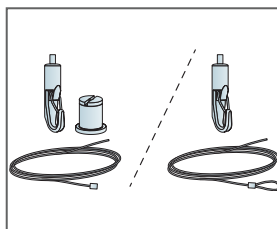


QUANTITY SPECIFICATION (EXCL. WASTAGE)

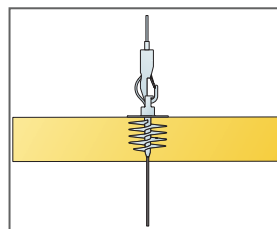
|                                                      |                                               | Size, mm                  |
|------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                      |                                               | 1800x1200                 |
| 1                                                    | Solo Rectangle                                | 2,16m <sup>2</sup> /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 |                                               | -                         |



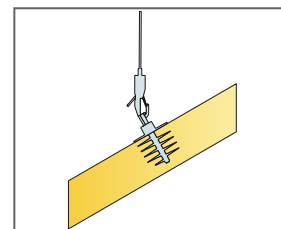
See Quantity specification



Two types of Adjustable wire solutions

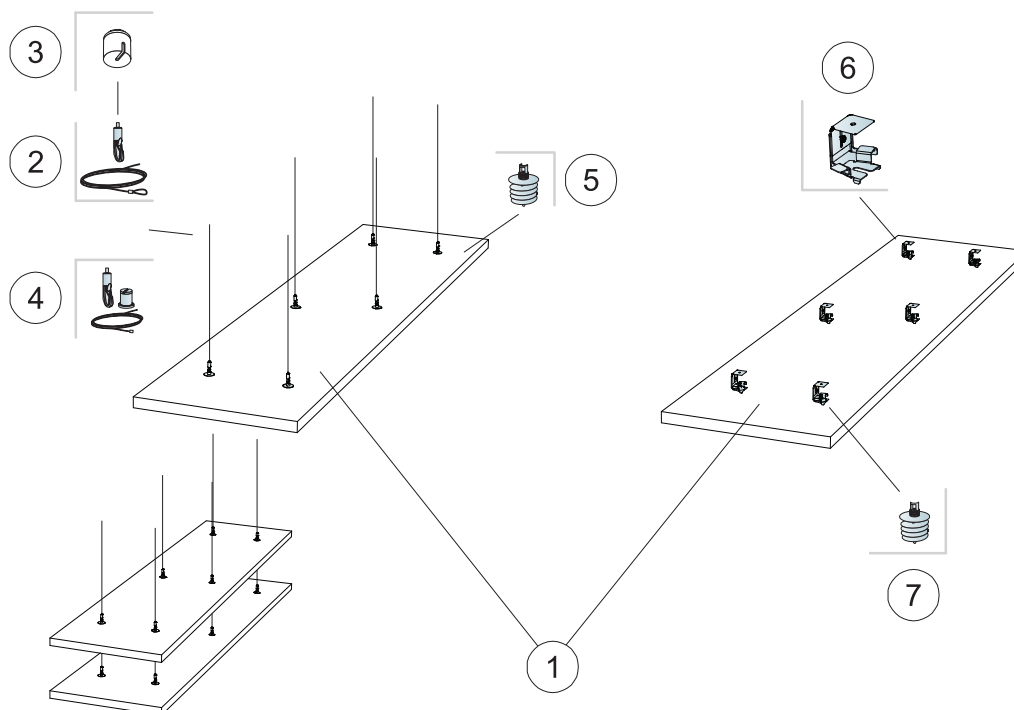


Panels can be suspended underneath each other



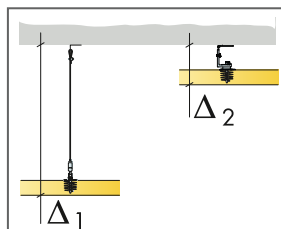
Panels can be installed in angles

INSTALLATION DIAGRAM (M405) FOR ECOPHON SOLO RECTANGLE 2400X600

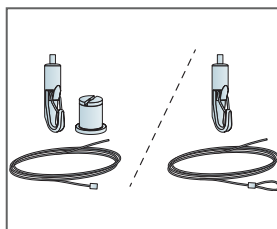


QUANTITY SPECIFICATION (EXCL. WASTAGE)

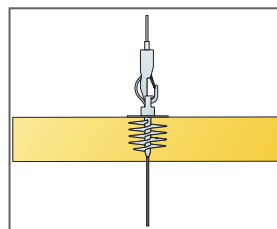
|                                                                             |                                               | Size, mm                  |
|-----------------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                             |                                               | 2400x600                  |
| 1                                                                           | Solo Rectangle                                | 1,44m <sup>2</sup> /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                   |
| $\Delta$ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 90 mm |                                               | -                         |



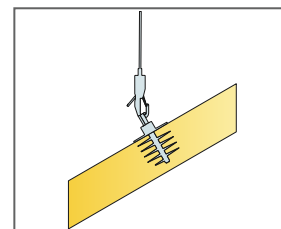
See Quantity specification



Two types of Adjustable wire solutions

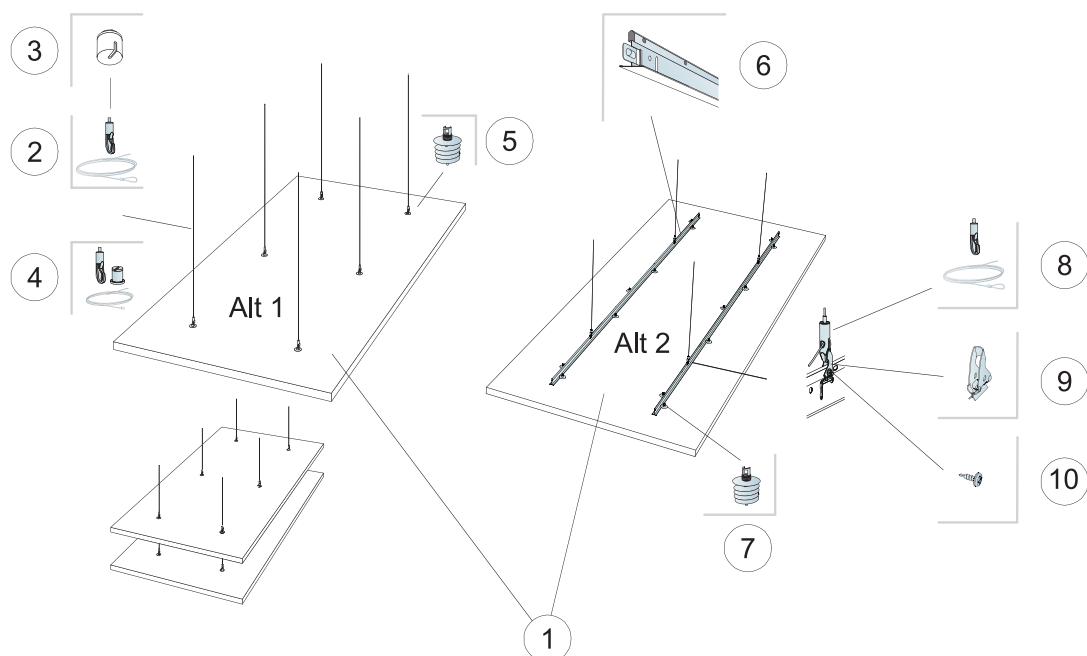


Panels can be suspended underneath each other



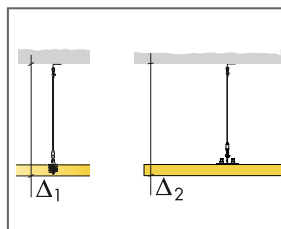
Panels can be installed in angles

INSTALLATION DIAGRAM (M406) FOR ECOPHON SOLO RECTANGLE 2400X1200

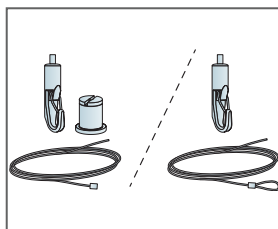


QUANTITY SPECIFICATION (EXCL. WASTAGE)

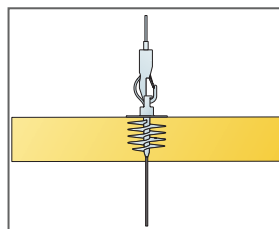
|                                                                              |                                               | Size, mm                  |
|------------------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                              |                                               | 2400x1200                 |
| 1                                                                            | Solo Rectangle                                | 2,88m <sup>2</sup> /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 BR (Alt 2)         | 4/panel                   |
| $\Delta$ Min. overall depth of system: $\Delta$ 1 140 mm / $\Delta$ 2 200 mm |                                               | -                         |



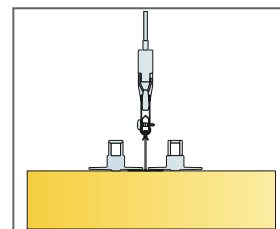
See Quantity specification



Two types of Adjustable wire solutions

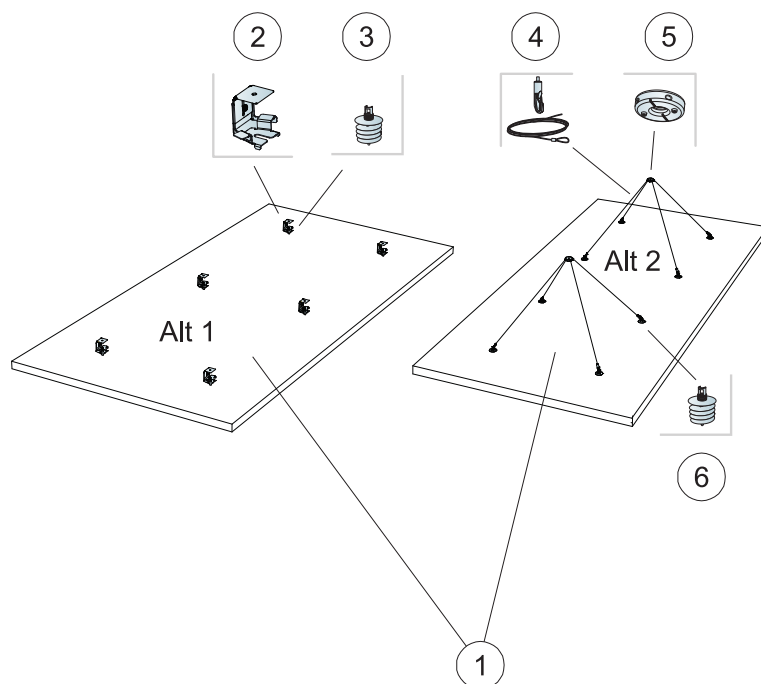


Panels can be suspended underneath each other



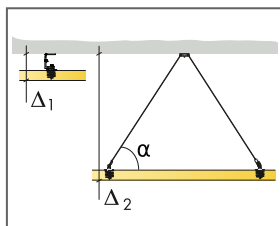
Installation with T24 Main runner

INSTALLATION DIAGRAM (M407) FOR ECOPHON SOLO RECTANGLE 2400X1200

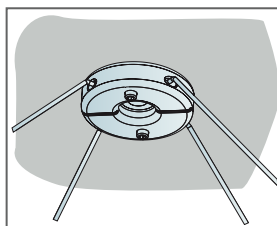


QUANTITY SPECIFICATION (EXCL. WASTAGE)

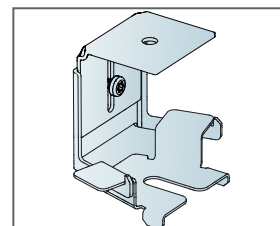
|                                                                             |                                        | Size, mm                  |
|-----------------------------------------------------------------------------|----------------------------------------|---------------------------|
|                                                                             |                                        | 2400x1200                 |
| 1                                                                           | Solo Rectangle                         | 2,88m <sup>2</sup> /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                   |
| $\Delta$ Min, overall depth of system: $\Delta 1$ 90 mm / $\Delta 2$ 500 mm |                                        | -                         |



See Quantity specification



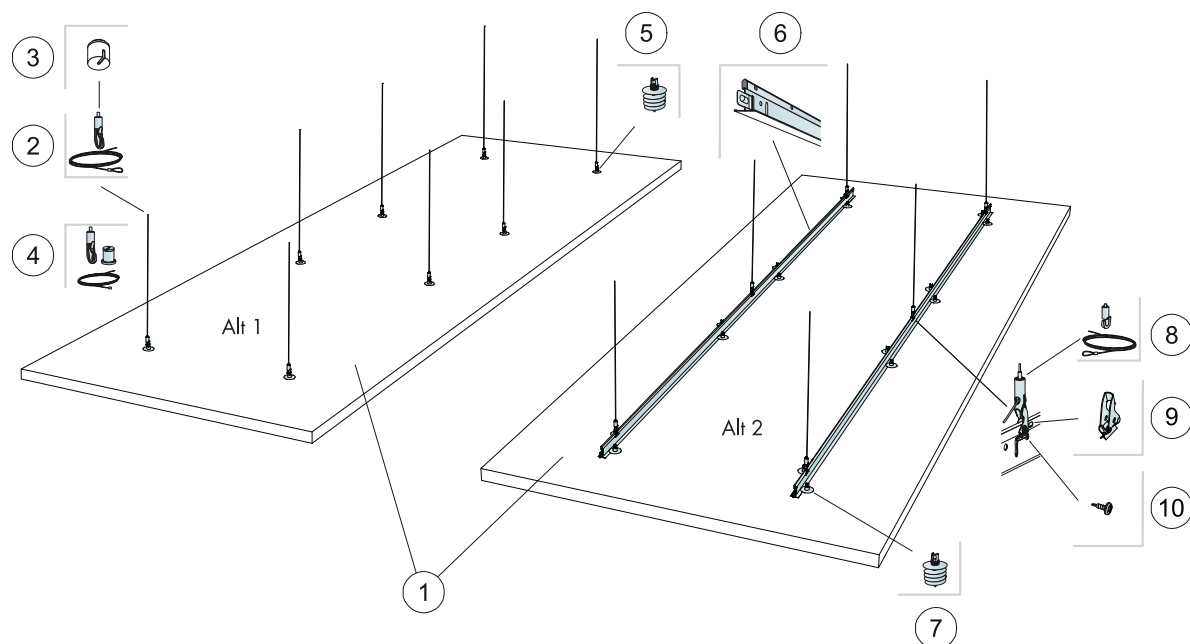
Detail of One-point fixing



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

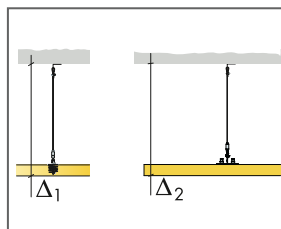


INSTALLATION DIAGRAM (M408) FOR ECOPHON SOLO RECTANGLE 3000X1200

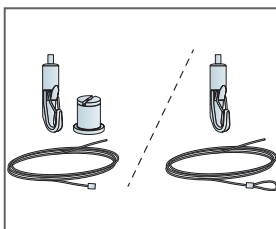


QUANTITY SPECIFICATION (EXCL. WASTAGE)

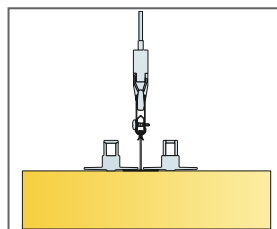
|                                                       |                                               | Size, mm                 |
|-------------------------------------------------------|-----------------------------------------------|--------------------------|
|                                                       |                                               | 3000x1200                |
| 1                                                     | Solo Rectangle                                | 3,6m <sup>2</sup> /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 |                                               | -                        |



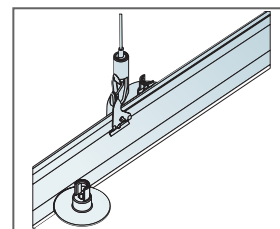
See Quantity specification



Two types of Adjustable wire solutions

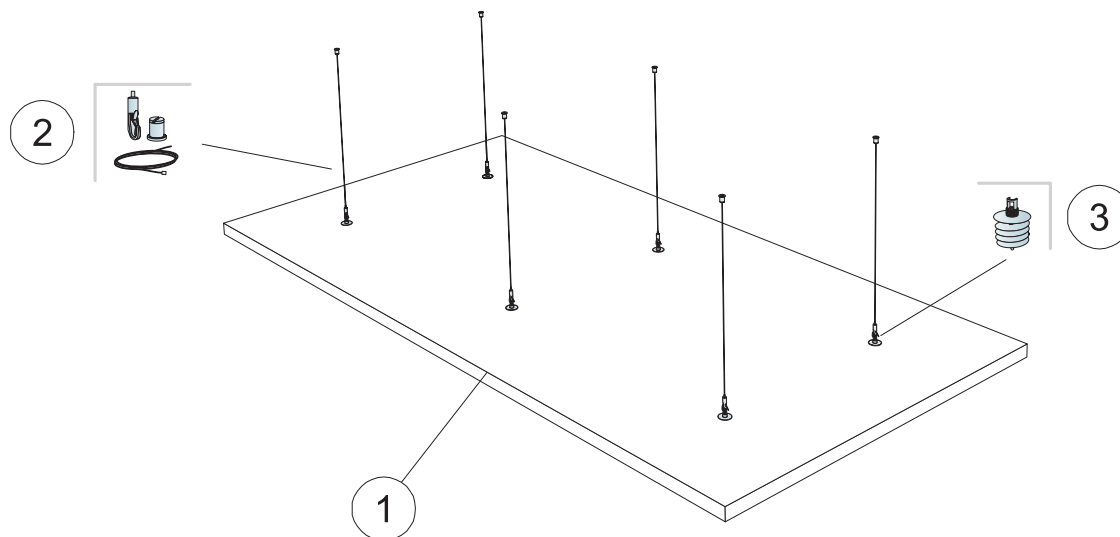


Installation with T24 Main runner



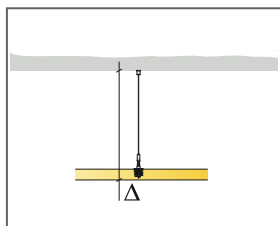
Installation of hanger clips

INSTALLATION DIAGRAM (M506) FOR ECOPHON SOLO RECTANGLE KIT 1800/2400X1200

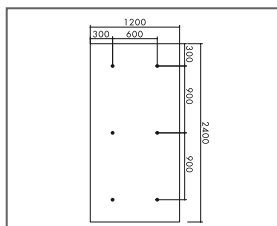


QUANTITY SPECIFICATION (EXCL. WASTAGE)

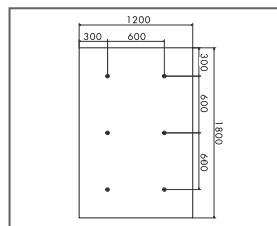
|                                                                      |                                               | Size, mm                  |                           |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|---------------------------|
|                                                                      |                                               | 1800x1200                 | 2400x1200                 |
| 1                                                                    | Solo Rectangle Kit                            | 2,16m <sup>2</sup> /panel | 2,88m <sup>2</sup> /panel |
| 2                                                                    | Connect Adjustable wire kit 1500mm (included) | -                         | -                         |
| 3                                                                    | Connect Absorber anchor (included)            | -                         | -                         |
| Δ Min. overall depth of system: Δ 140 mm                             |                                               | -                         | -                         |
| To install Connect Absorber Anchor, use Connect Absorber Anchor Bit. |                                               | -                         | -                         |



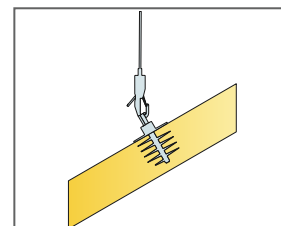
See Quantity specification



Suspension with absorber anchor, format 2400 x 1200



Suspension with absorber anchor, format 1800 x 1200



Panels can be installed in angles

# Ecophon Solo™ Circle

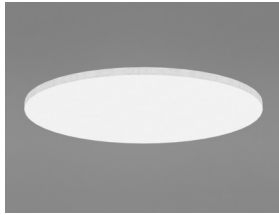
Solo Circle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



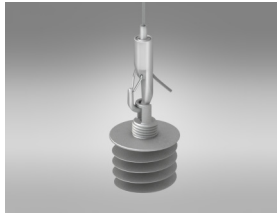
Astra Zeneca, Warsaw, Poland

## SYSTEM RANGE

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



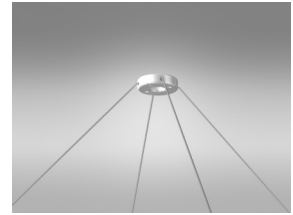
Solo Circle



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



Suspension with One-point fixing



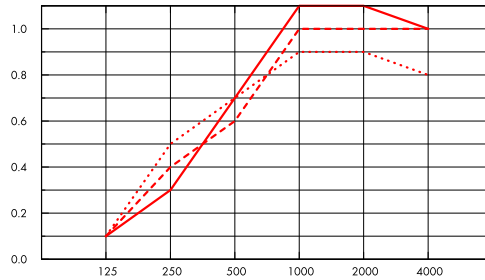
## Acoustic

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.

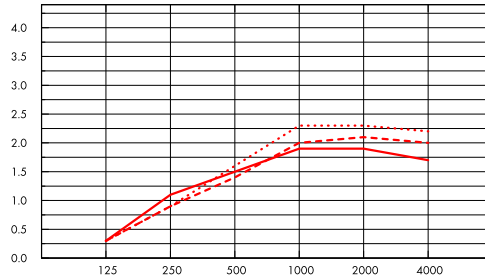
A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> sabin)



- 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

Frequency Hz

A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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

Frequency Hz

|      | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|      |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| Ø800 | 40        | 200       | 0.1                                                                        | 0.3    | 0.7    | 1.1     | 1.1     | 1.0     |
| Ø800 | 40        | 400       | 0.1                                                                        | 0.4    | 0.6    | 1.0     | 1.0     | 1.0     |
| Ø800 | 40        | 1000      | 0.1                                                                        | 0.5    | 0.7    | 0.9     | 0.9     | 0.8     |

|       | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|       |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| Ø1200 | 40        | 200       | 0.3                                                                        | 1.1    | 1.5    | 1.9     | 1.9     | 1.7     |
| Ø1200 | 40        | 400       | 0.3                                                                        | 0.9    | 1.4    | 2.0     | 2.1     | 2.0     |
| Ø1200 | 40        | 1000      | 0.3                                                                        | 0.9    | 1.6    | 2.3     | 2.3     | 2.2     |



## Indoor Air Quality

| Certificate / Label          | Plant |          |
|------------------------------|-------|----------|
| Eurofins Indoor Air Comfort® | IAC   | IAC Gold |
| French VOC                   | A     | A+       |
| Finnish M1                   | •     | •        |



## Environmental Footprint

|                   | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|-------------------|-----------------------------------------|
| Solo Circle       | 10,35                                   |
| Solo Circle/Plant | 5,21                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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

| Product  |                           |
|----------|---------------------------|
| Standard | Class C, RH 95% and 30 °C |
| Plant    | Class A, RH 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.



## System weight

Approximately 2-4,5 kg.



### **Mechanical properties**

---

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

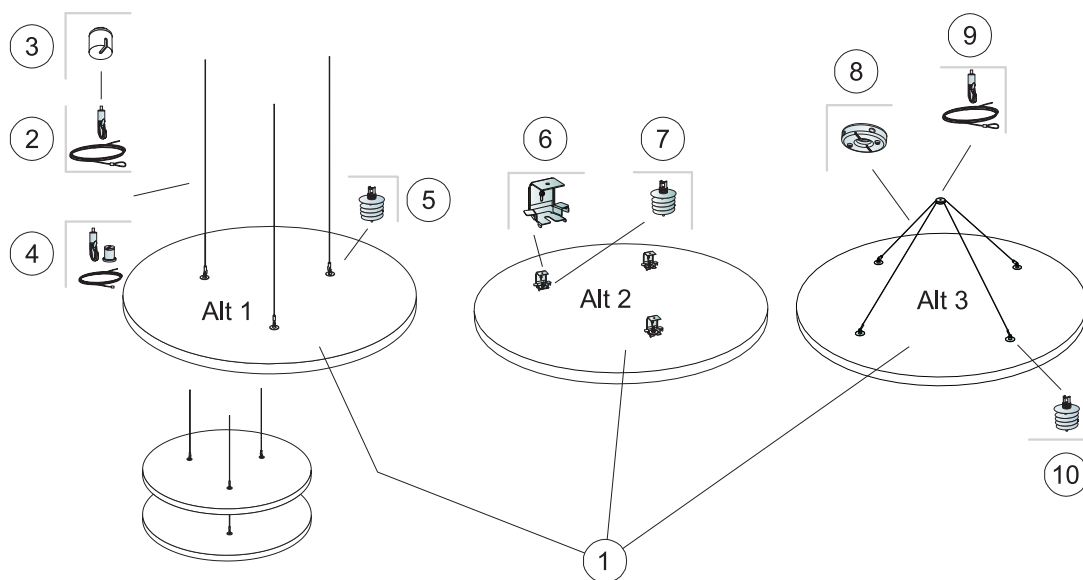


### **CE**

---

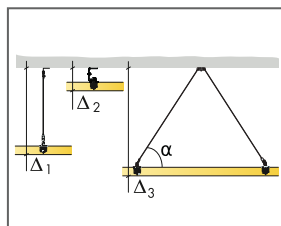
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M410) FOR ECOPHON SOLO CIRCLE

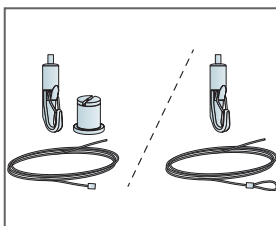


QUANTITY SPECIFICATION (EXCL. WASTAGE)

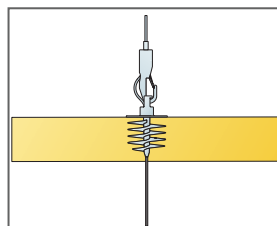
|                                                                  |                                               | Size, mm                  |
|------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                  |                                               | Ø1200                     |
| 1                                                                | Solo Circle                                   | 1,13m <sup>2</sup> /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 |                                               | -                         |



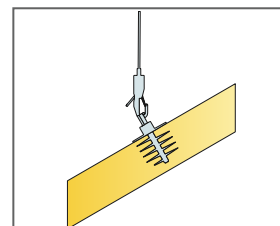
See Quantity specification



Two types of Adjustable wire solutions

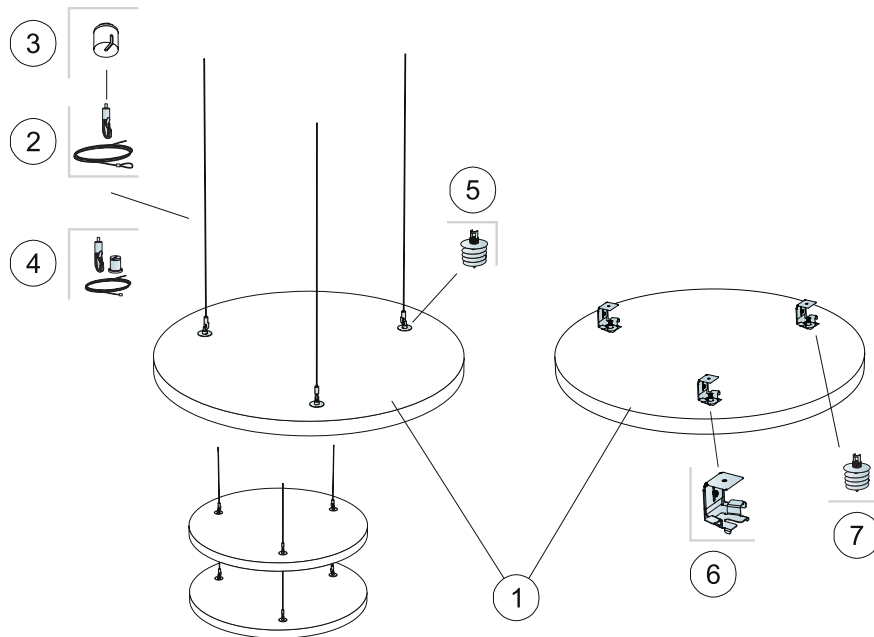


Panels can be suspended underneath each other



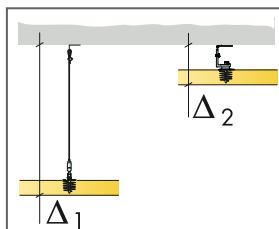
Panels can be installed in angles

INSTALLATION DIAGRAM (M411) FOR ECOPHON SOLO CIRCLE

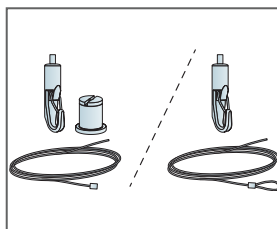


QUANTITY SPECIFICATION (EXCL. WASTAGE)

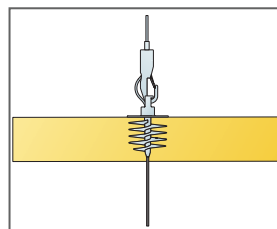
|                                                      |                                               | Size, mm                 |
|------------------------------------------------------|-----------------------------------------------|--------------------------|
|                                                      |                                               | Ø800                     |
| 1                                                    | Solo Circle                                   | 0,5m <sup>2</sup> /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 |                                               | -                        |



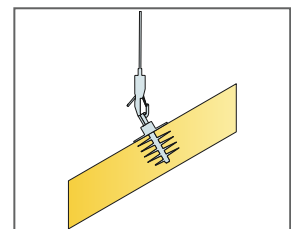
See Quantity specification



Two types of Adjustable wire solutions



Panels can be suspended underneath each other



Panels can be installed in angles



# Ecophon Solo™ Circle XL

Solo Circle XL is a large free hanging unit with two semicircles, offering a high degree of design possibilities. For applications when it is not possible to install a wall-to-wall ceiling

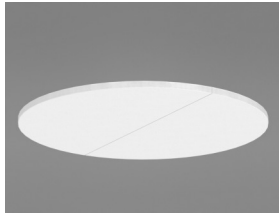


Y100 Communications AG, St Gallen, Switzerland

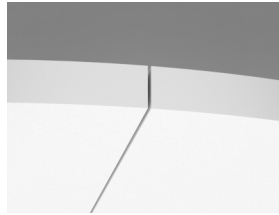
## SYSTEM RANGE



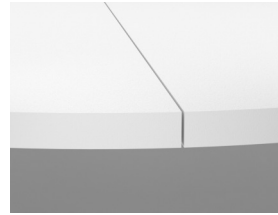
|                 |             |
|-----------------|-------------|
| Size, mm        | XL<br>Ø1600 |
| Special Fixing  | •           |
| Thickness (THK) | 40          |
| Inst. Diag.     | M290        |



Solo Circle XL



Solo Circle XL panel



Rear side of Solo Circle XL



Solo Circle XL installation with Connect Absorber anchor



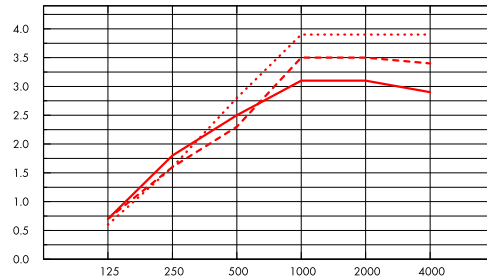
## Acoustic

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

### Sound Absorption:

Test results according to EN ISO 354.

A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 40        | 200       | 0.7                                                                        | 1.8    | 2.5    | 3.1     | 3.1     | 2.9     |
| 40        | 400       | 0.7                                                                        | 1.6    | 2.3    | 3.5     | 3.5     | 3.4     |
| 40        | 1000      | 0.6                                                                        | 1.6    | 2.8    | 3.9     | 3.9     | 3.9     |



## Indoor Air Quality

| Certificate / Label          | Plant |          |
|------------------------------|-------|----------|
| Eurofins Indoor Air Comfort® | IAC   | IAC Gold |
| French VOC                   | A     | A+       |
| Finnish M1                   | •     | •        |



## Environmental Footprint

|                   | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|-------------------|-----------------------------------------|
| Solo Circle       | 10,35                                   |
| Solo Circle/Plant | 5,21                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



### Fire safety

| Country | 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

| Product  |                          |
|----------|--------------------------|
| Standard | Class C, RH 95% and 30°C |
| Plant    | Class A, RH 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.



### System weight

Approximately 8 kg.



### Mechanical properties

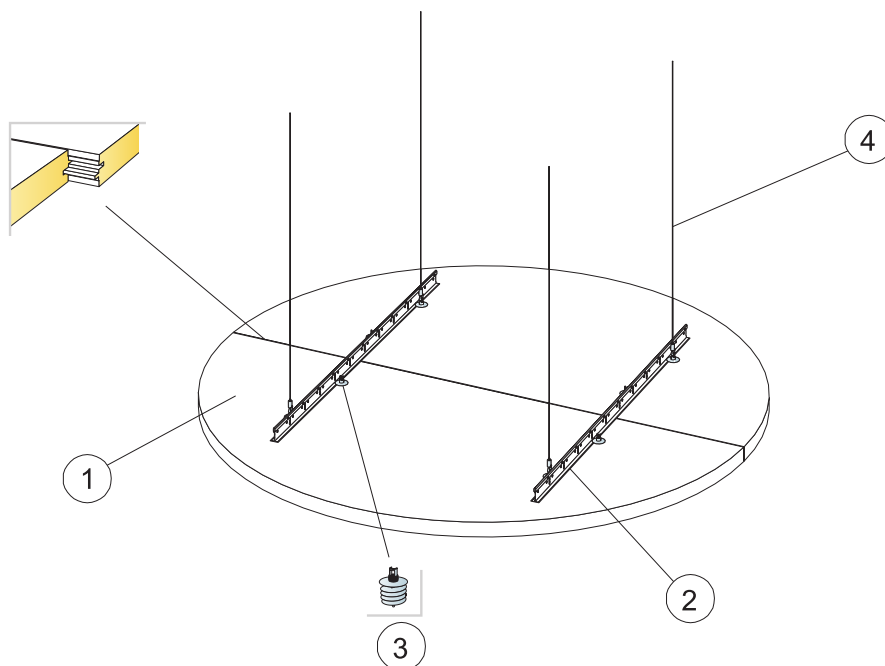
No additional live load is allowed.



### CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

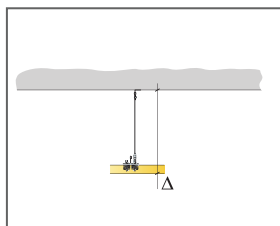
INSTALLATION DIAGRAM (M290) FOR ECOPHON SOLO CIRCLE XL



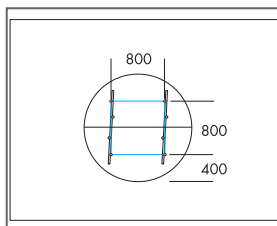
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

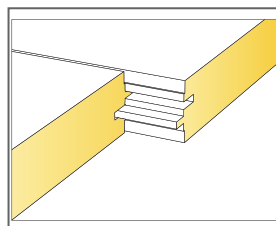
|                                                                      |                                | Size, mm                  |
|----------------------------------------------------------------------|--------------------------------|---------------------------|
|                                                                      |                                | Ø1600                     |
| 1                                                                    | Solo Circle XL                 | 2,01m <sup>2</sup> /panel |
| 2                                                                    | Connect T24 Main runner        | 0,60/panel                |
| 3                                                                    | Connect Absorber anchor        | 8/panel                   |
| 4                                                                    | Connect Adjustable wire hanger | 4/panel                   |
| Δ Min. overall depth of system: Δ 200 mm                             |                                | -                         |
| To install Connect Absorber Anchor, use Connect Absorber Anchor Bit. |                                | -                         |



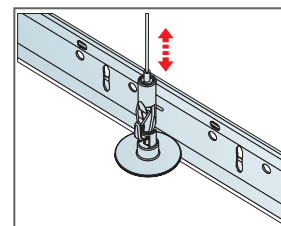
See Quantity specification



Suspension with Connect Adjustable wire hangers and Connect T24 Main runner



Meeting between panels



Easily adjustable suspension with Connect Adjustable wire hanger

# 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.

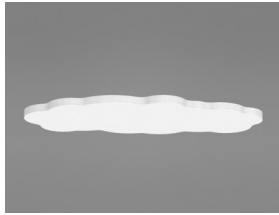


Ghelamco Arena, Belgium

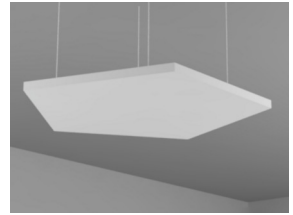
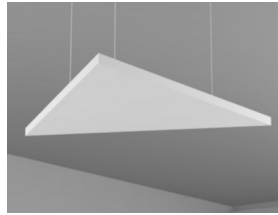
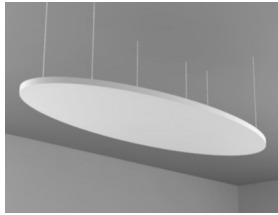
## SYSTEM RANGE



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



Acoustic panel Solo Freedom in cloud shape



## Acoustic



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

## Indoor Air Quality



| Certificate / Label          | Plant |          |
|------------------------------|-------|----------|
| Eurofins Indoor Air Comfort® | IAC   | IAC Gold |
| French VOC                   | A     | A+       |
| Finnish M1                   | •     | •        |



## Environmental Footprint



|                    | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|--------------------|-----------------------------------------|
| Solo Freedom       | 8,41                                    |
| Solo Freedom/Plant | 5,21                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

## Circularity



|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |

## Fire safety



| Country | 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



| Product  |                          |
|----------|--------------------------|
| Standard | Class C, RH 95% and 30°C |
| Plant    | Class A, RH 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](http://www.ecophon.com).

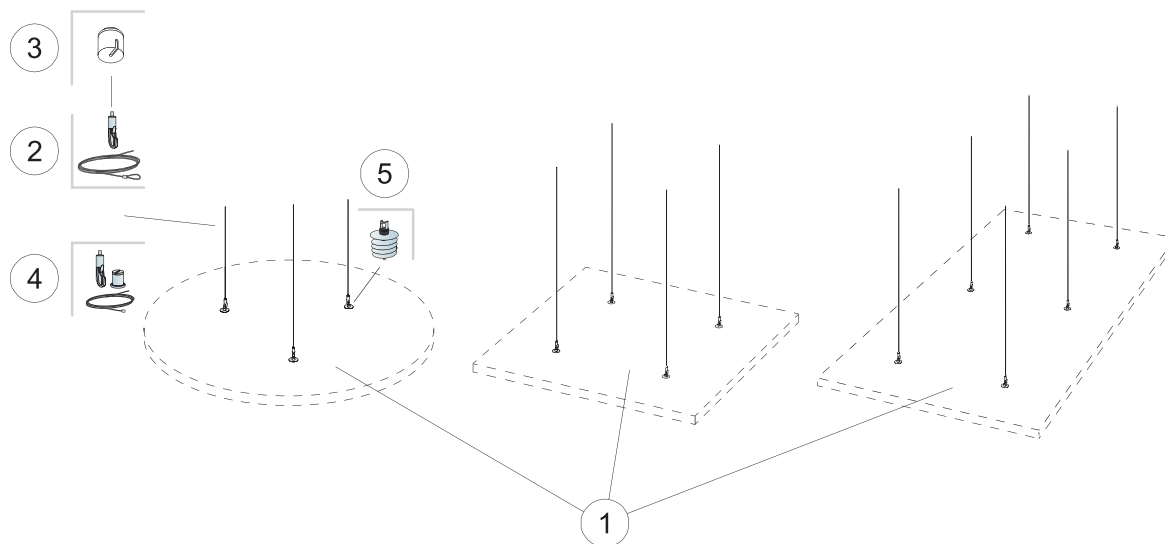


### CE

---

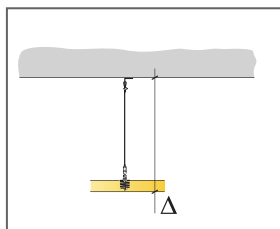
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## INSTALLATION DIAGRAM (M412) FOR ECOPHON SOLO FREEDOM

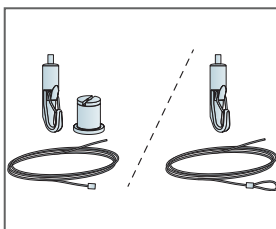


## QUANTITY SPECIFICATION (EXCL. WASTAGE)

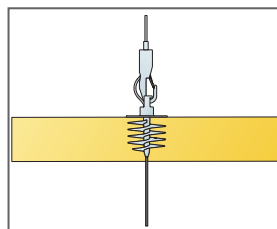
|                                        |                                               | Size, mm    |             |             |
|----------------------------------------|-----------------------------------------------|-------------|-------------|-------------|
|                                        |                                               | 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 |                                               | -           | -           | -           |



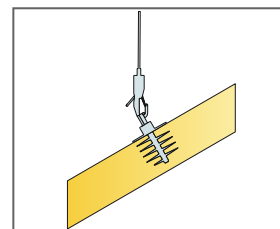
See Quantity specification



Two types of Adjustable wire solutions



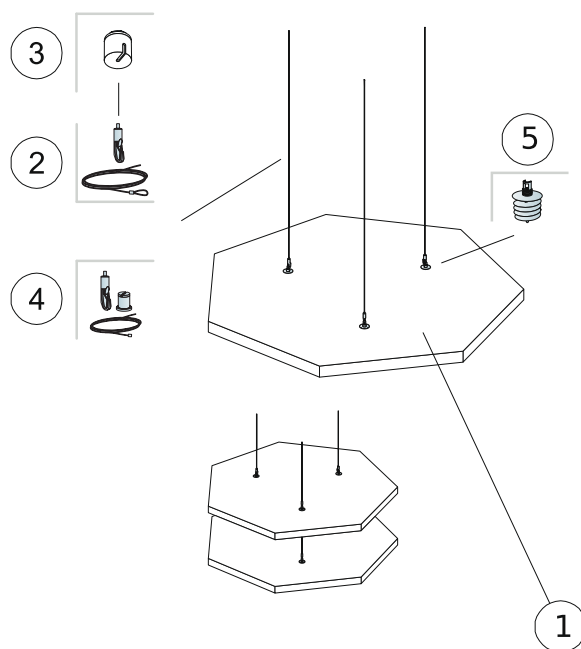
Panels can be suspended underneath each other



Panels can be installed in angles

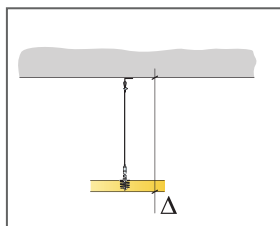


INSTALLATION DIAGRAM (M425) FOR ECOPHON SOLO HEPTAGON

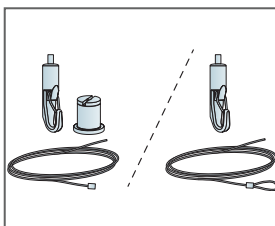


QUANTITY SPECIFICATION (EXCL. WASTAGE)

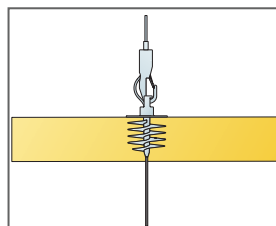
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 1168x1198                 |
| 1                                                                    | Solo Heptagon                                 | 1,03m <sup>2</sup> /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. |                                               | -                         |



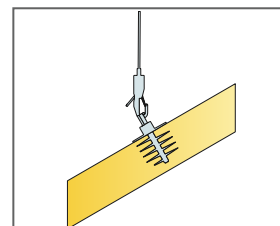
See Quantity specification



Two types of Adjustable wire solutions

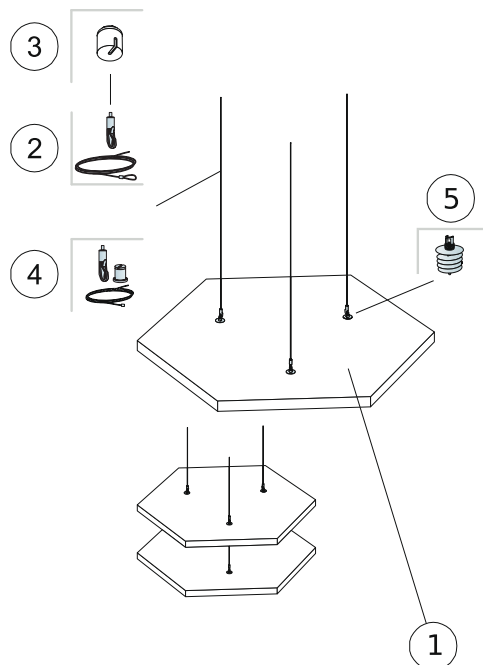


Panels can be suspended underneath each other



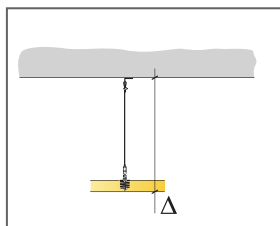
Panels can be installed in angles

INSTALLATION DIAGRAM (M426) FOR ECOPHON SOLO HEXAGON

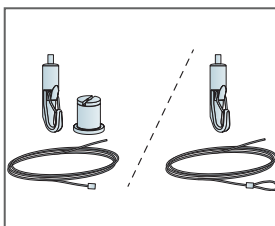


QUANTITY SPECIFICATION (EXCL. WASTAGE)

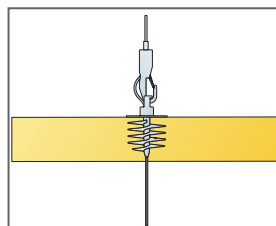
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 1040x1200                 |
| 1                                                                    | Solo Hexagon                                  | 0,94m <sup>2</sup> /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. |                                               | -                         |



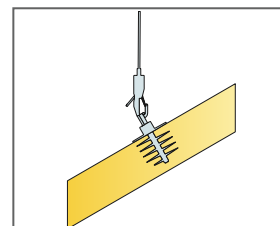
See Quantity specification



Two types of Adjustable wire solutions

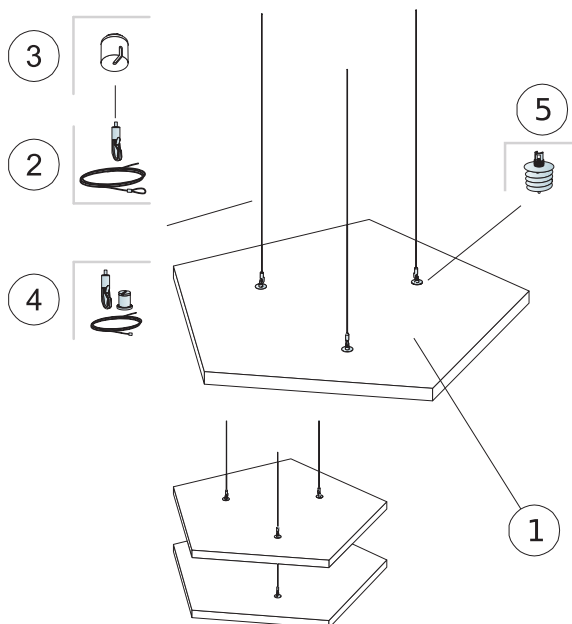


Panels can be suspended underneath each other



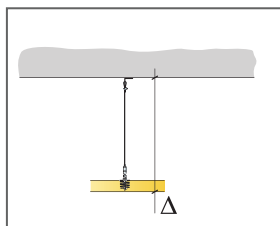
Panels can be installed in angles

# INSTALLATION DIAGRAM (M427) FOR ECOPHON SOLO PENTAGON

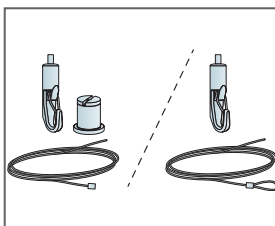


## QUANTITY SPECIFICATION (EXCL. WASTAGE)

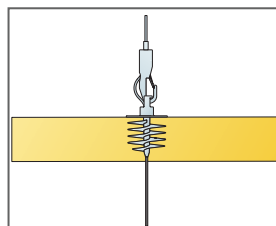
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 1139x1198                 |
| 1                                                                    | Solo Pentagon                                 | 0,94m <sup>2</sup> /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. |                                               | -                         |



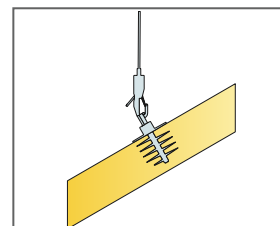
See Quantity specification



Two types of Adjustable wire solutions

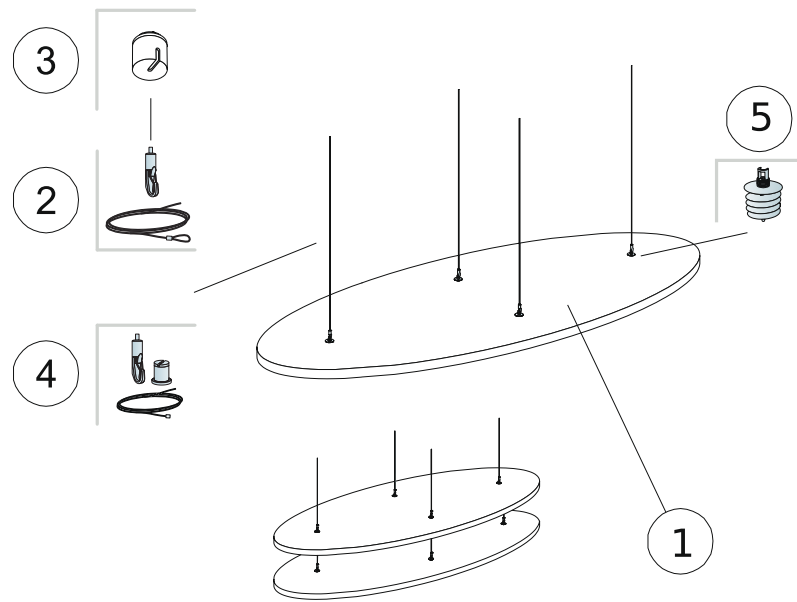


Panels can be suspended underneath each other



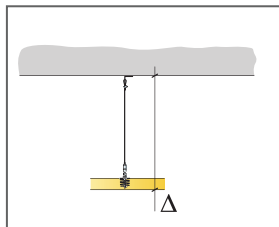
Panels can be installed in angles

INSTALLATION DIAGRAM (M428) FOR ECOPHON SOLO ELLIPSE

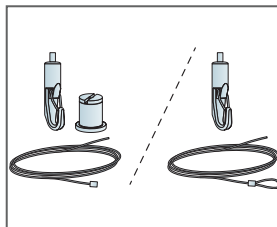


QUANTITY SPECIFICATION (EXCL. WASTAGE)

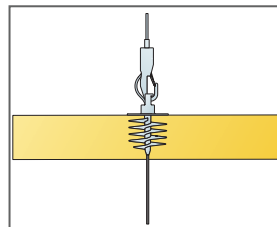
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 2400x1000                 |
| 1                                                                    | Solo Ellipse                                  | 1,89m <sup>2</sup> /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. |                                               | -                         |



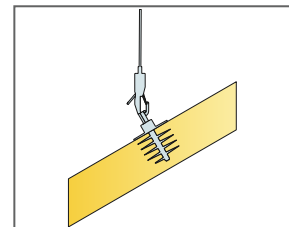
See Quantity specification



Two types of Adjustable wire solutions

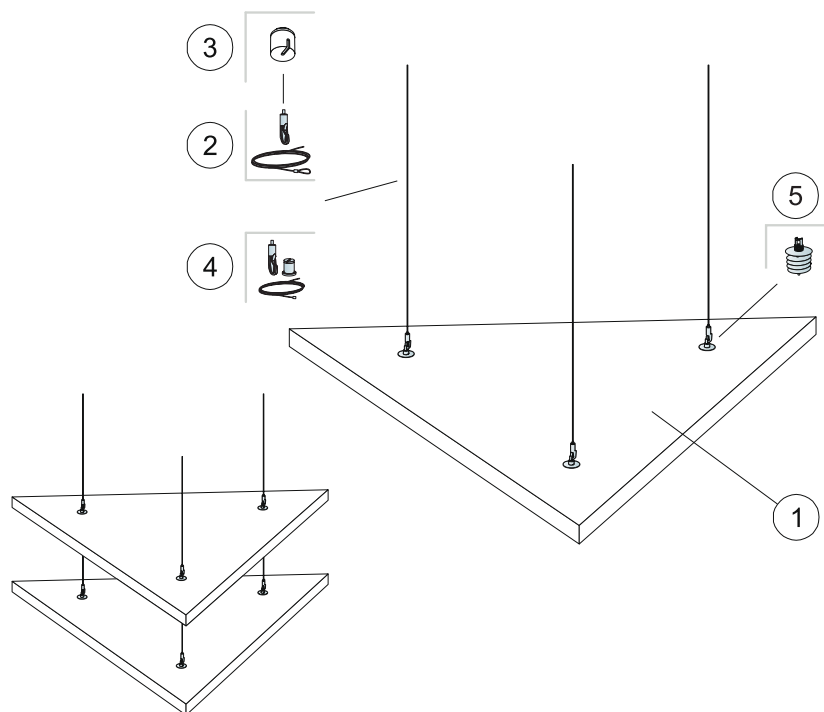


Panels can be suspended underneath each other



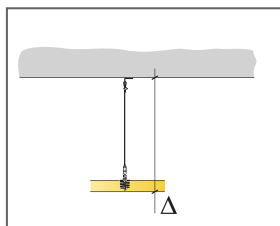
Panels can be installed in angles

INSTALLATION DIAGRAM (M297) FOR ECOPHON SOLO TRIANGLE

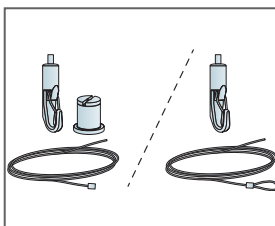


QUANTITY SPECIFICATION (EXCL. WASTAGE)

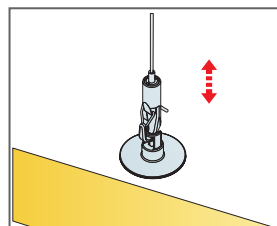
|                                                                      |                                               | Size, mm                  |
|----------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                      |                                               | 1039x1200                 |
| 1                                                                    | Solo Triangle                                 | 0,62m <sup>2</sup> /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. |                                               | -                         |



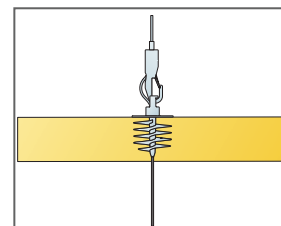
See Quantity specification



Two types of Adjustable wire solutions



Easily adjustable suspension with Connect Adjustable wire hanger



Panels can be suspended underneath each other

# 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.

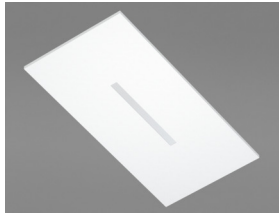


Ecophon Head Office, Hylinge, Sweden

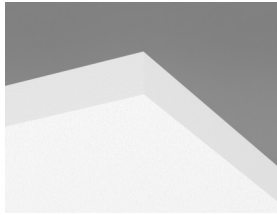
## SYSTEM RANGE



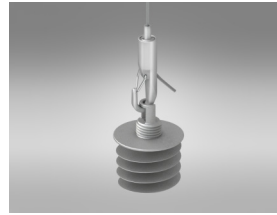
|                 |           |
|-----------------|-----------|
| Size, mm        | 2400x1200 |
| Special Fixing  | •         |
| Thickness (THK) | 40        |
| Inst. Diag.     | M521      |



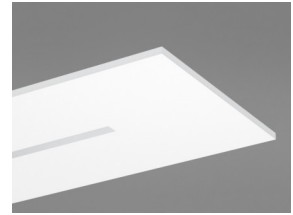
Solo Rectangle Line



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Solo panel with Line

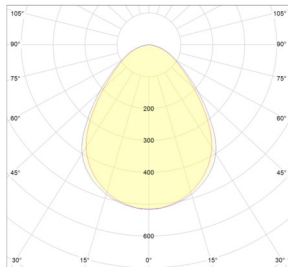


## Acoustic

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



## Lighting performance



System effect: 29,4W  
 Light source: LED 26,7 W  
 Luminous flux: 2337 lm  
 Light efficiency: 87,5 lm/W  
 Colour temperature: 4000K  
 Colour rendering index: Ra ≥80  
 Colour tolerance: MacAdam ≤3 SDCM  
 Light output ratio (LOR): 100%  
 Light distribution up/down: 0/100  
 Expected lifespan: L90 >50 000 h  
 Expected lifespan: L70 >100 000 h



## Connection

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



## 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: led module of 26,7W total.



## Electrical approvals

IP20, Class 1.



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



### Fire safety

| Country | Class                  |
|---------|------------------------|
| Europe  | EN 13501-1<br>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.

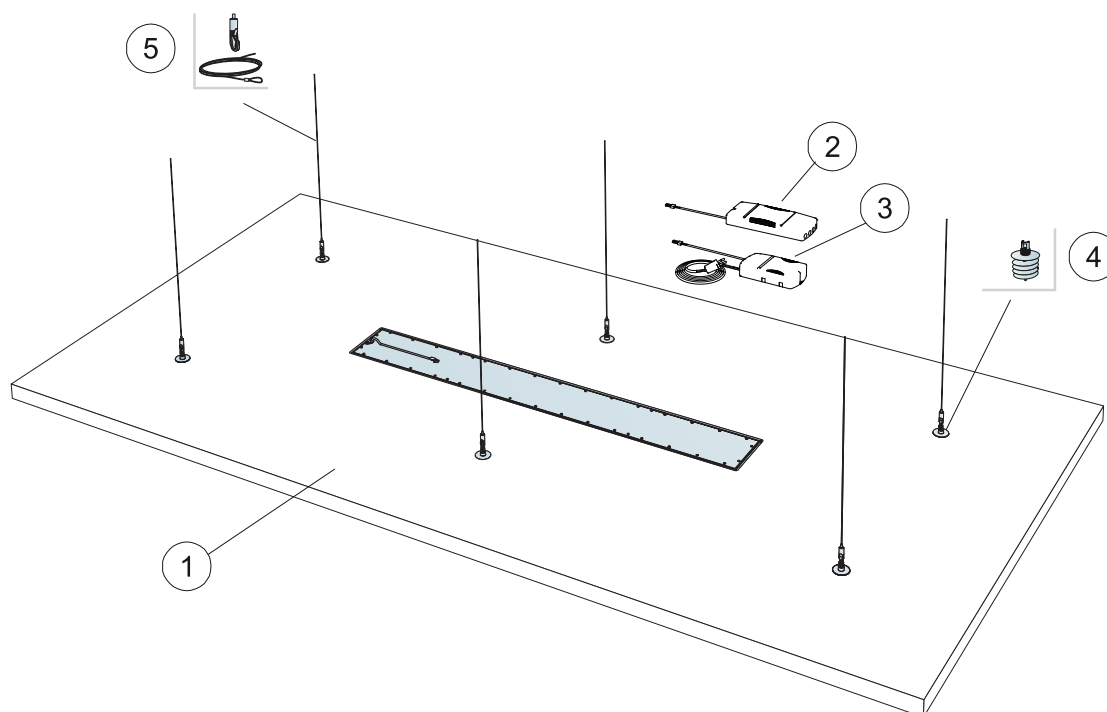


### CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

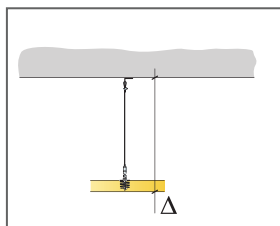


# INSTALLATION DIAGRAM (M521) FOR ECOPHON SOLO RECTANGLE LINE

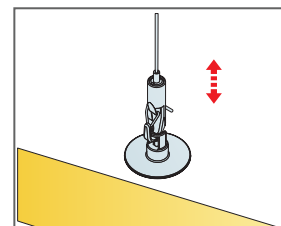


## QUANTITY SPECIFICATION (EXCL. WASTAGE)

|                                                                                                                                                                                           | Size, mm            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|                                                                                                                                                                                           | <b>2400x1200</b>    |
| 1 Solo Rectangle Line                                                                                                                                                                     | 2,88/m <sup>2</sup> |
| 2 Ecophon Dot/Square/Line standard On/Off Ballast (included) [Alt.1]                                                                                                                      | -                   |
| 3 Ecophon Dot/Square/Line SwitchDIM/DALI Ballast (included) [Alt.2]                                                                                                                       | -                   |
| 4 Connect Absorber anchor                                                                                                                                                                 | 6/panel             |
| 5 Connect Adjustable wire hanger                                                                                                                                                          | 6/panel             |
| Δ Min. overall depth of system: 140 mm                                                                                                                                                    | -                   |
| When selecting standard on/off ballast, connect only to a toggle power switch. When using the SwitchDIM/DALI ballast connecting the SwitchDIM function, use a spring loaded power switch. | -                   |
| When selecting the SwitchDIM/DALI ballast utilizing the DALI function, connect only to a DALI compatible controller.                                                                      | -                   |



See Quantity specification



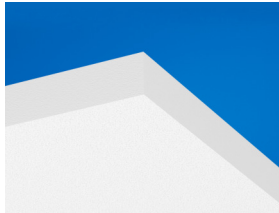
Easily adjustable suspension with Connect Adjustable wire hanger

# Ecophon Solo™ Lite Square

Ecophon Solo™ Lite Square is a free hanging unit.  
Suitable when the room volume should be  
maintained or when it's not possible to install a wall-  
to-wall ceiling.



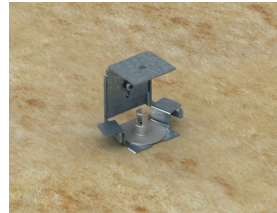
Ecophon Office Finland, Finland



Solo Lite panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



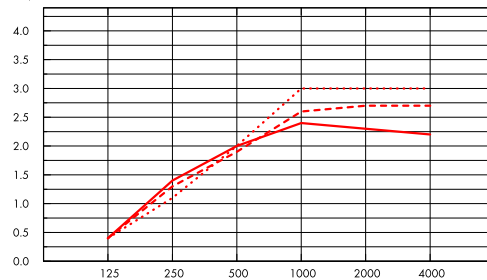
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 40        | 200       | 0.4                                                                        | 1.4    | 2.0    | 2.4     | 2.3     | 2.2     |
| 40        | 400       | 0.4                                                                        | 1.3    | 1.9    | 2.6     | 2.7     | 2.7     |
| 40        | 1000      | 0.4                                                                        | 1.1    | 2.0    | 3.0     | 3.0     | 3.0     |



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 64%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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 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](http://www.ecophon.com).

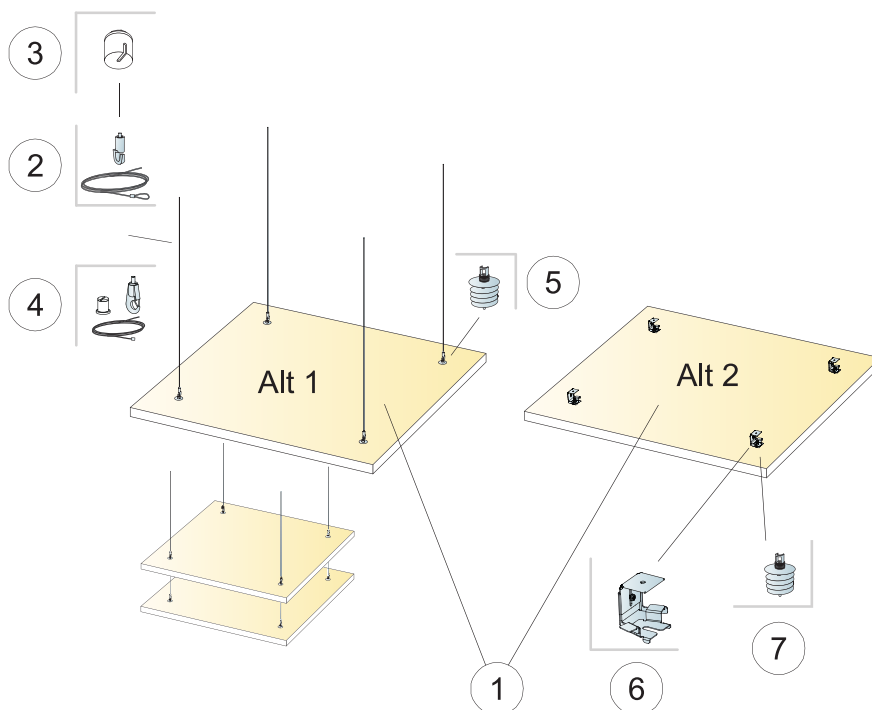


### CE

---

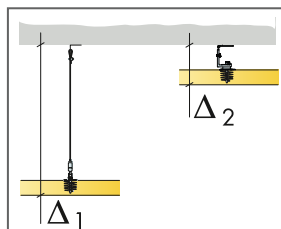
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M403) FOR ECOPHON SOLO LITE SQUARE

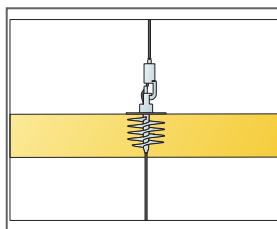


QUANTITY SPECIFICATION (EXCL. WASTAGE)

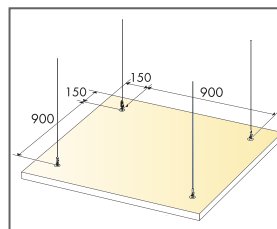
|                                                                             |                                               | Size, mm                  |
|-----------------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                             |                                               | 1200x1200                 |
| 1                                                                           | Solo Lite Square                              | 1,44m <sup>2</sup> /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                   |
| $\Delta$ Min. overall depth of system: $\Delta 1$ 130 mm / $\Delta 2$ 90 mm |                                               | -                         |



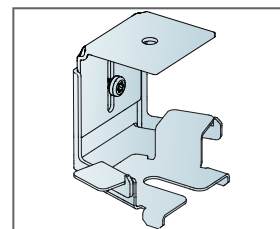
See Quantity specification



Panels can be suspended underneath each other



Installation dimensions



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



# Ecophon Solo™ Lite Rectangle

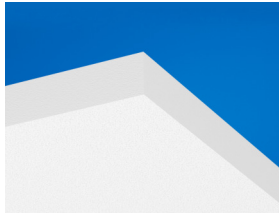
Ecophon Solo™ Lite Rectangle is a free hanging unit. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



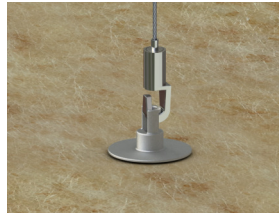
Ecophon Office Poland, Warsaw, Poland

## SYSTEM RANGE

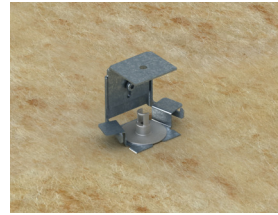
|                                                                                     |                 |           |
|-------------------------------------------------------------------------------------|-----------------|-----------|
|  | Size, mm        | 2400x1200 |
|                                                                                     | Special Fixing  | •         |
|                                                                                     | Thickness (THK) | 40        |
|                                                                                     | Weight (kg)     | 11.00     |



Solo Lite panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



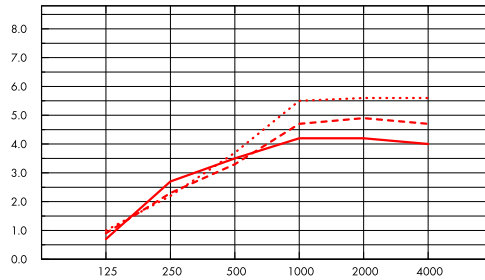
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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 <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|--------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |        |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 2400x1200 | 40     | 200       | 0.7                                                                        | 2.7    | 3.5    | 4.2     | 4.2     | 4.0     |
| 2400x1200 | 40     | 400       | 0.9                                                                        | 2.3    | 3.3    | 4.7     | 4.9     | 4.7     |
| 2400x1200 | 40     | 1000      | 1.0                                                                        | 2.2    | 3.7    | 5.5     | 5.6     | 5.6     |



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 64%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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 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](http://www.ecophon.com).



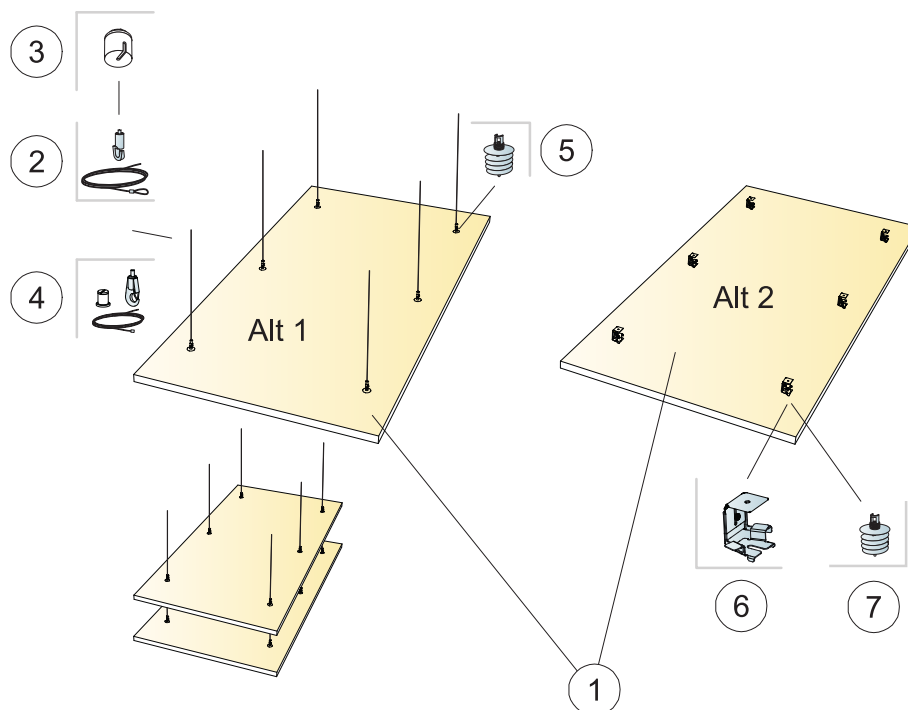
### CE

---

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.

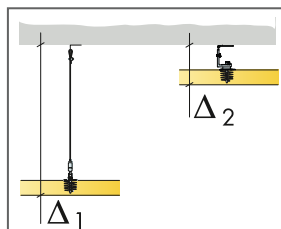


INSTALLATION DIAGRAM (M409) FOR ECOPHON SOLO LITE RECTANGLE

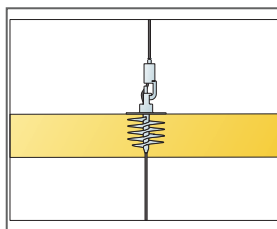


QUANTITY SPECIFICATION (EXCL. WASTAGE)

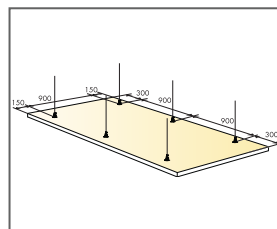
|                                                      |                                               | Size, mm                  |
|------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                      |                                               | 2400x1200                 |
| 1                                                    | Solo Lite Rectangle                           | 2,88m <sup>2</sup> /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 |                                               | -                         |



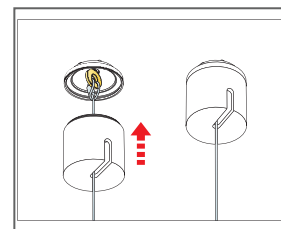
See Quantity specification



Panels can be suspended underneath each other



Installation dimensions



Installation of Connect Covering cup

# Ecophon Solo™ Baffle

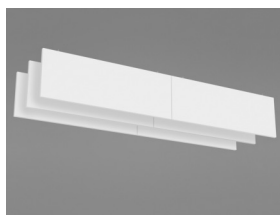
Solo Baffle is vertically installed unframed baffles. Solo Baffle can be used to form distinct lines and is available in different sizes and a wide range of colours. Baffles are used primarily when natural light is brought into the room via skylight.



Plantronics, Hoofddorp, Netherlands

## SYSTEM RANGE

| Size, mm        | 1200x200               | 1200x300               | 1200x600               | 1800x200               | 1800x300               | 1800x600               |
|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Special Fixing  | •                      | •                      | •                      | •                      | •                      | •                      |
| Thickness (THK) | 40                     | 40                     | 40                     | 40                     | 40                     | 40                     |
| Inst. Diag.     | M414, M491, M563, M580 | M414, M491, M563, M580 | M414, M491, M563, M580 | M414, M491, M563, M580 | M414, M491, M563, M580 | M414, M491, M563, M580 |



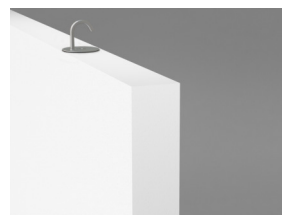
Solo Baffle



Solo Baffle/anchor



Solo Baffle/anchor installation



Solo Baffle/hook

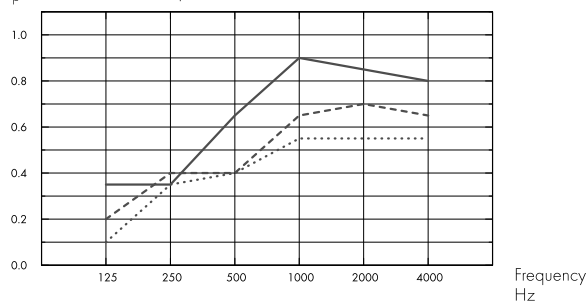


## Acoustic

### 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.

$\alpha_p$ , Practical sound absorption coefficient



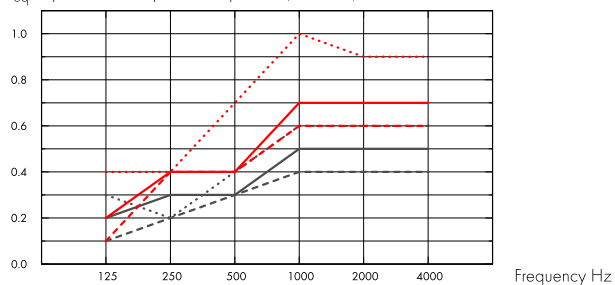
.... Solo Baffle 1200/1800x200, spacing 600mm, direct mounting

--- 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<br>mm | o.d.s. mm | $\alpha_p$ , Practical sound absorption coefficient |        |        |         |         |         | $\alpha_w$ |
|------|-----------|-----------|-----------------------------------------------------|--------|--------|---------|---------|---------|------------|
|      |           |           | 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<br>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       | 0.1                                                           | 0.2    | 0.3    | 0.4     | 0.4     | 0.4     |
| 1200x300 c600 | 40        | 300       | 0.2                                                           | 0.3    | 0.3    | 0.5     | 0.5     | 0.5     |
| 1200x600 c600 | 40        | 600       | 0.3                                                           | 0.2    | 0.4    | 0.6     | 0.6     | 0.6     |
| 1800x200 c600 | 40        | 200       | 0.1                                                           | 0.4    | 0.4    | 0.6     | 0.6     | 0.6     |
| 1800x300 c600 | 40        | 300       | 0.2                                                           | 0.4    | 0.4    | 0.7     | 0.7     | 0.7     |
| 1800x600 c600 | 40        | 600       | 0.4                                                           | 0.4    | 0.7    | 1.0     | 0.9     | 0.9     |



## Indoor Air Quality

### Certificate / Label

|                              |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

| kg CO <sub>2</sub> equiv/m <sup>2</sup> |       |
|-----------------------------------------|-------|
| Solo Baffle                             | 10,11 |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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 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.



## System weight

Approximate weight of system 2-4 kg/m



## Mechanical properties

Additional live load has to be fixed to the soffit.

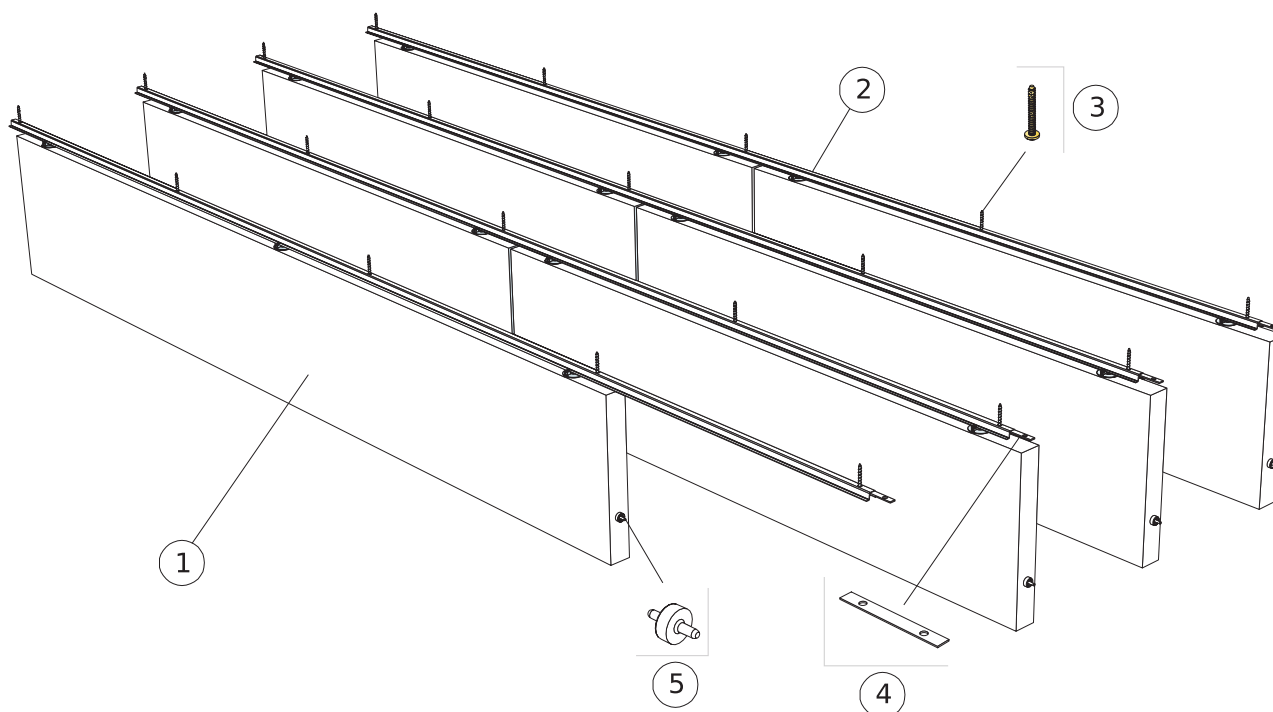


## CE

---

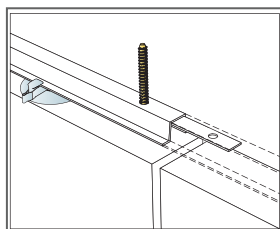
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## INSTALLATION DIAGRAM (M414) FOR ECOPHON SOLO BAFFLE/ANCHOR

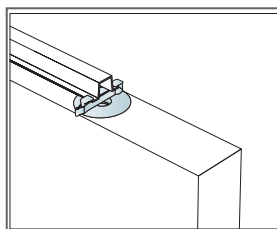


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

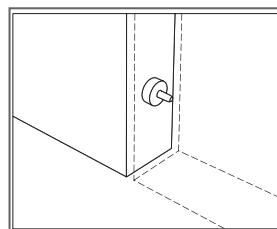
|                                                           | Size, mm            |                     |                     |                     |                     |                     |
|-----------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                                           | 1200x200            | 1200x300            | 1200x600            | 1800x200            | 1800x300            | 1800x600            |
| 1 Solo Baffle/anchor, installed at 300 mm centres         | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  |
| 2 Connect Baffle profile, installed at 300 mm centres     | 3,3m/m <sup>2</sup> | 3,3m/m <sup>2</sup> | 3,3m/m <sup>2</sup> | 3,3m/m <sup>2</sup> | 3,3m/m <sup>2</sup> | 3,3m/m <sup>2</sup> |
| 3 Connect Anchor screw, fixed at 1200 mm centres          | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  |
| 4 Connect Profile connector, installed at 2400 mm centres | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  |
| 5 Connect Guiding pin, installed at 1200/1800 mm centres  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  |



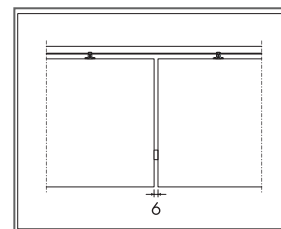
Fixing of Connect Profile connector



The baffles are secured with clips

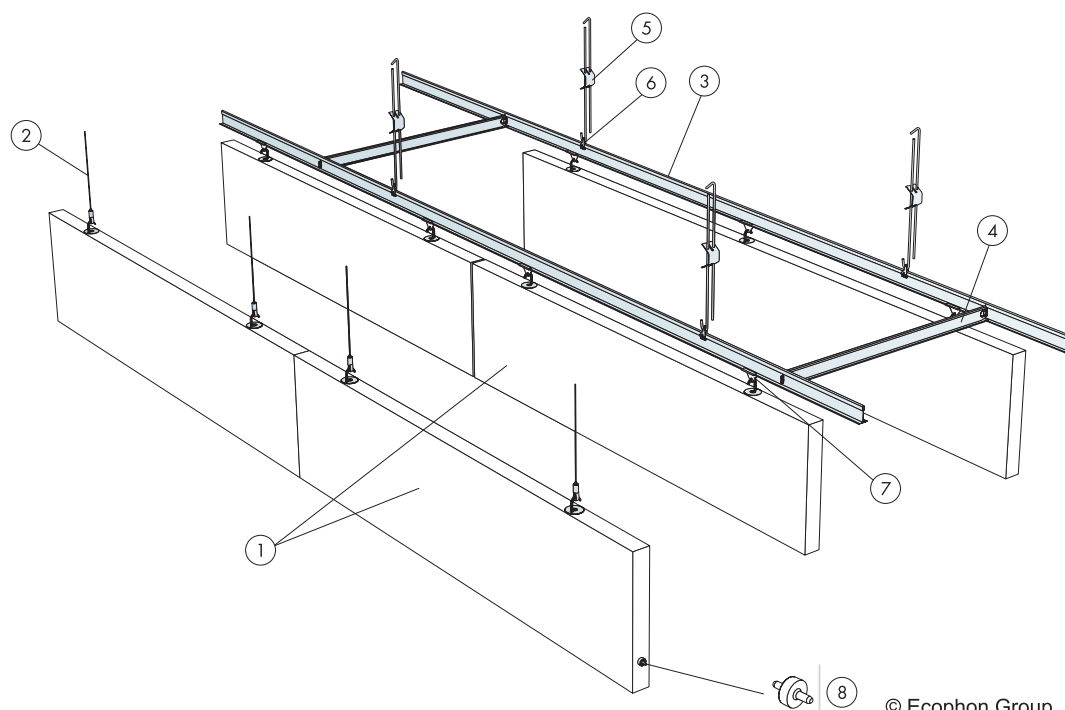


Connect Guiding pin, used to fix distance and level between panels



Distinct gap of 6 mm between baffles with Connect Guiding pin

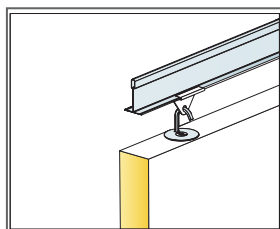
## INSTALLATION DIAGRAM (M491) FOR ECOPHON SOLO BAFFLE/HOOK



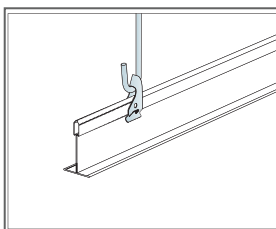
© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

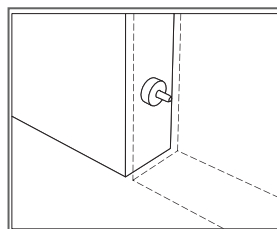
|                                                                         | Size, mm            |                     |                     |                     |                     |                     |
|-------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------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



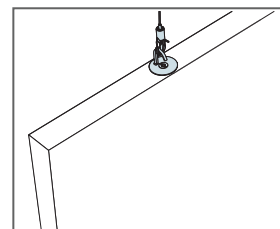
Detail of suspension



Suspension with adjustable hanger and clip

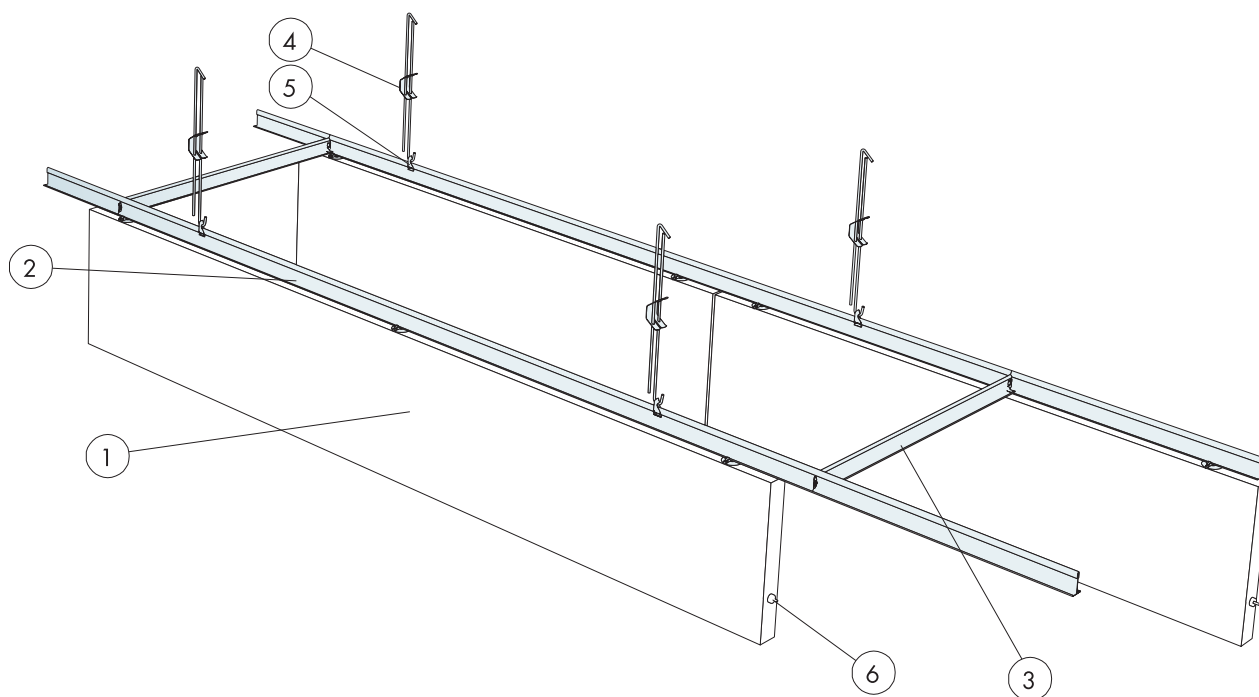


Connect Guiding pin, used to fix distance and level between panels



Suspension with Connect Adjustable wire hanger

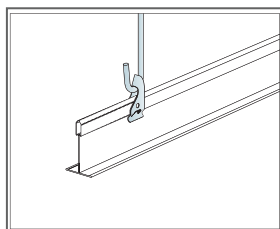
## INSTALLATION DIAGRAM (M563) FOR ECOPHON SOLO BAFFLE/ANCHOR



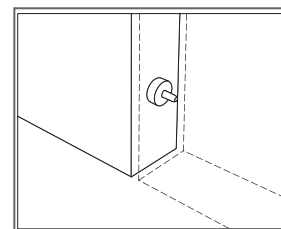
© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

|                                                                             | Size, mm            |                     |                     |                     |                     |                     |
|-----------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                                                             | 1200x200            | 1200x300            | 1200x600            | 1800x200            | 1800x300            | 1800x600            |
| 1 Solo Baffle/anchor, installed at 600 mm centres                           | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  |
| 2 Connect T24 Main runner, installed at 600 mm centres (Alt 2)              | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> |
| 3 Connect T24 Cross tee, L=600 mm, installed at 1800 mm centres (Alt 2)     | 0,6m/m <sup>2</sup> | 0,6m/m <sup>2</sup> | 0,6m/m <sup>2</sup> | 0,6m/m <sup>2</sup> | 0,6m/m <sup>2</sup> | 0,6m/m <sup>2</sup> |
| 4 Connect Adjustable hanger c1200 (Alt 2)                                   | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  |
| 5 Connect Hanger Clip (Alt 1), not to be used in swimming hall environments | -                   | -                   | 0,7/m <sup>2</sup>  | -                   | -                   | -                   |
| 6 Connect Guiding Pin, installed at 1200/1800 mm centres                    | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 0,9/m <sup>2</sup>  | 0,9/m <sup>2</sup>  | 0,9/m <sup>2</sup>  |



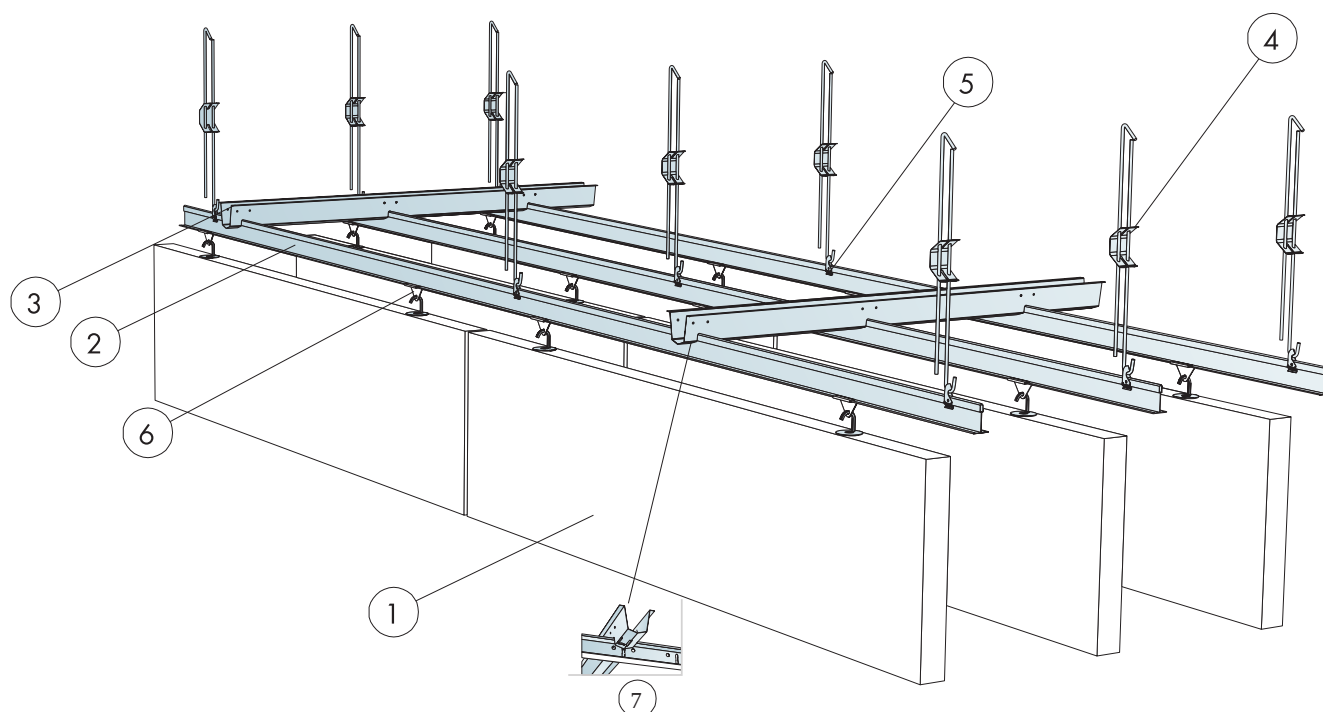
Suspension with adjustable hanger and clip



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



## INSTALLATION DIAGRAM (M563) FOR ECOPHON SOLO BAFFLE/ANCHOR



## QUANTITY SPECIFICATION (EXCL. WASTAGE)

|                                                                             | Size, mm            |                     |                     |                     |                     |                     |
|-----------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                                                             | 1200x200            | 1200x300            | 1200x600            | 1800x200            | 1800x300            | 1800x600            |
| 1 Solo Baffle/hook, installed at 600 mm centres                             | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  | 1,9/m <sup>2</sup>  |
| 2 Connect T24 Main runner, installed at 600 mm centres (Alt 2)              | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> |
| 3 Connect Space bar                                                         | -                   | -                   | as required         | -                   | -                   | as required         |
| 4 Connect Adjustable hanger c1200 (Alt 2)                                   | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  | 1,4/m <sup>2</sup>  |
| 5 Connect Hanger Clip (Alt 1), not to be used in swimming hall environments | -                   | -                   | 0,7/m <sup>2</sup>  | -                   | -                   | -                   |
| 6 Connect Baffle clip (Alt 2)                                               | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  | 2,8/m <sup>2</sup>  |
| 7 Connect Space bar winch, installed one per joint Main runner/Space bar    | -                   | -                   | 1,1/m <sup>2</sup>  | -                   | -                   | 1,1/m <sup>2</sup>  |
|                                                                             | -                   | -                   | -                   | -                   | -                   | -                   |

# 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.

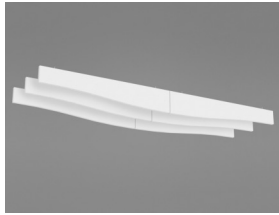


Kurikka Campus, Kurikka, Finland

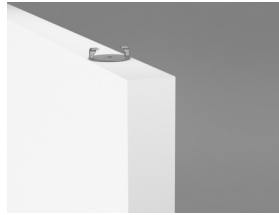
## SYSTEM RANGE



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



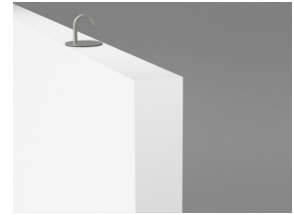
Solo Baffle Wave



Solo Baffle Wave/anchor



Solo Baffle Wave/anchor installation



Solo Baffle Wave/hook

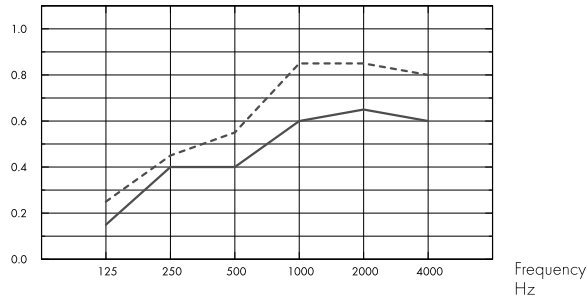


## Acoustic

### Sound Absorption:

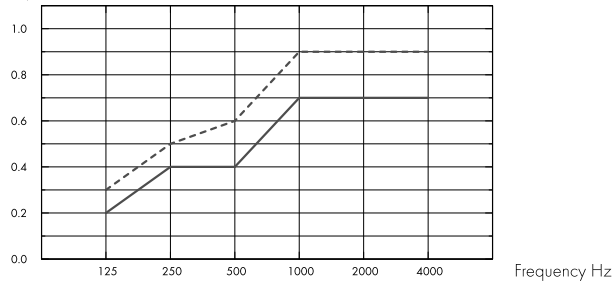
Test results according to EN ISO 354:2003 NOTE: Results shown are not comparable with results according to older versions of this standard due to discrepancies in test method. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

$\alpha_p$ , 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<br>mm | o.d.s. mm | $\alpha_p$ , Practical sound absorption coefficient |        |        |         |         |         | $\alpha_w$ |
|------|-----------|-----------|-----------------------------------------------------|--------|--------|---------|---------|---------|------------|
|      |           |           | 125 Hz                                              | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |            |
| c600 | 40        | 300       | 0.15                                                | 0.40   | 0.40   | 0.60    | 0.65    | 0.60    | 0.50       |
| c600 | 40        | 600       | 0.25                                                | 0.45   | 0.55   | 0.85    | 0.85    | 0.80    | 0.65       |

|      | THK<br>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        | 300       | 0.2                                                           | 0.4    | 0.4    | 0.7     | 0.7     | 0.7     |
| c600 | 40        | 600       | 0.3                                                           | 0.5    | 0.6    | 0.9     | 0.9     | 0.9     |

| THK<br>mm | o.d.s. mm | NRC  | SAA  |
|-----------|-----------|------|------|
| 40        | 300       | 0.50 | 0.52 |
| 40        | 600       | 0.70 | 0.68 |



## Indoor Air Quality

### Certificate / Label

|                              |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|                  | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|------------------|-----------------------------------------|
| Solo Baffle Wave | 11,07                                   |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country |            | 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 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.



## System weight

Approximate weight of system 2-4 kg/m



## Mechanical properties

Additional live load has to be fixed to the soffit.

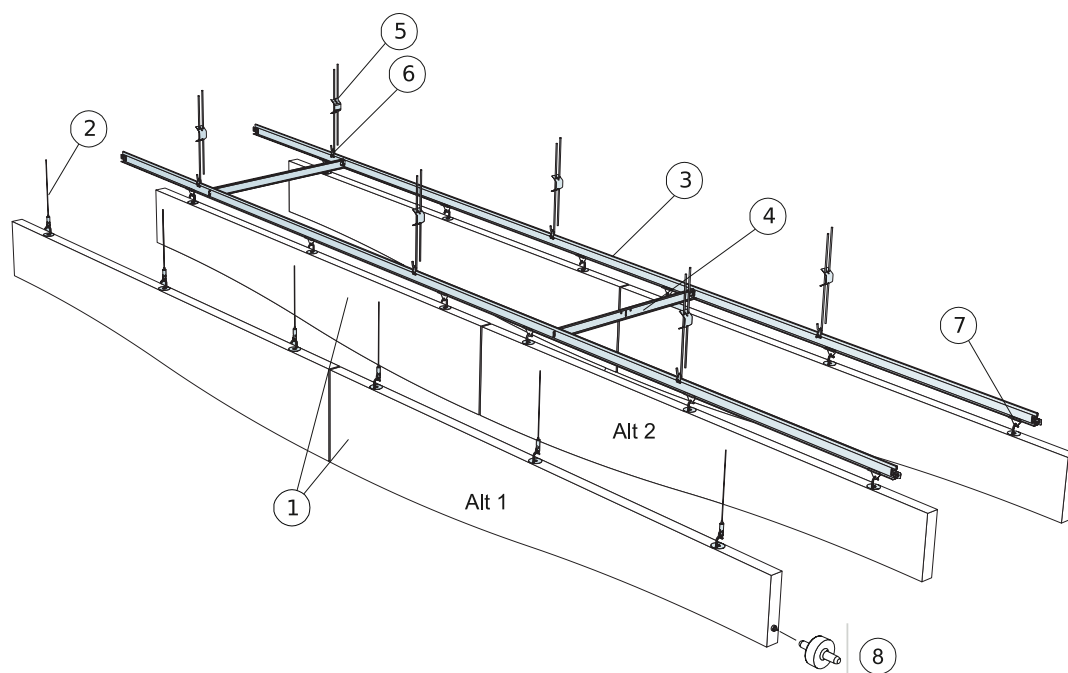


## CE

---

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.

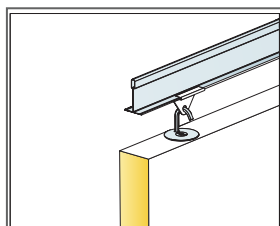
INSTALLATION DIAGRAM (M495) FOR ECOPHON SOLO BAFFLE WAVE/HOOK



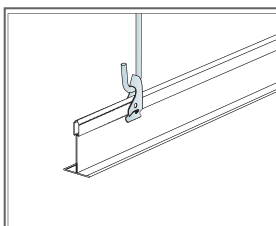
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

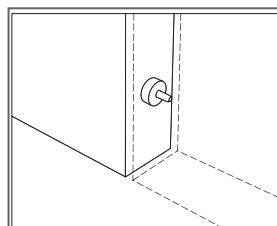
| Size, mm                                                                |                     |                     |
|-------------------------------------------------------------------------|---------------------|---------------------|
|                                                           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



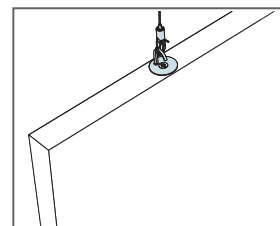
Detail of suspension



Suspension with adjustable hanger and clip

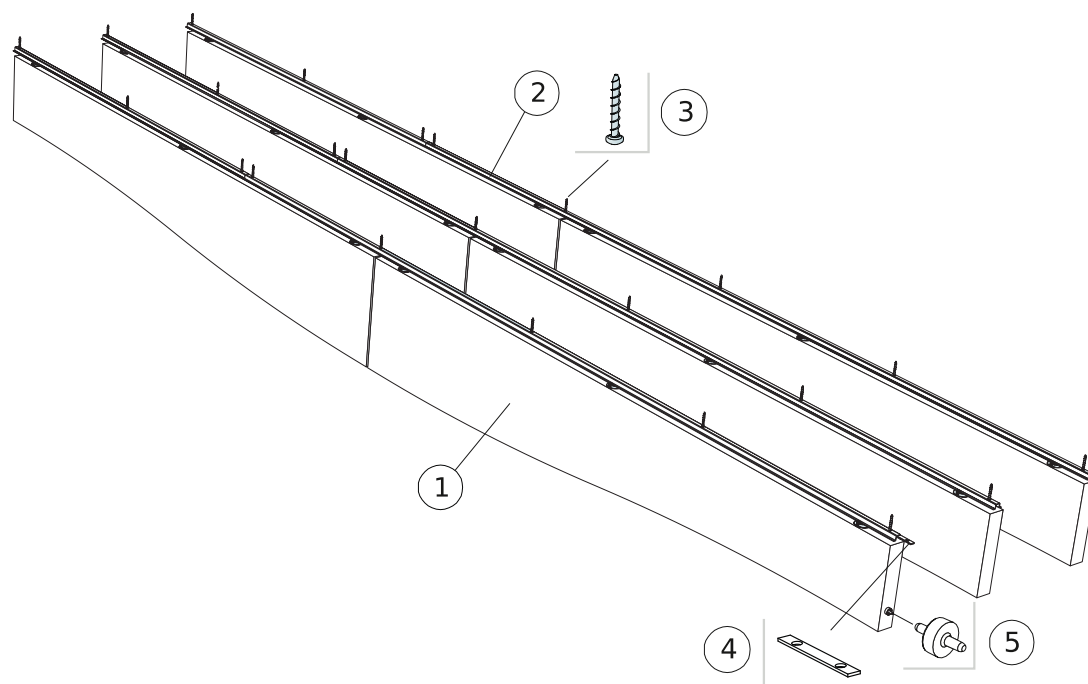


Connect Guiding pin, used to fix distance and level between panels



Suspension with Connect Adjustable wire hanger

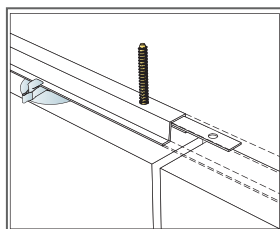
INSTALLATION DIAGRAM (M419) FOR ECOPHON SOLO BAFFLE WAVE/ANCHOR



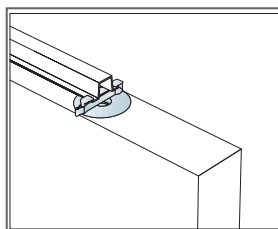
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

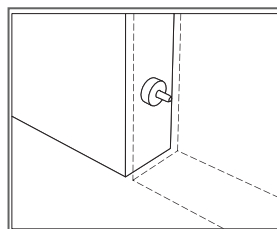
|   |                                                         | Size, mm            |                     |
|---|---------------------------------------------------------|---------------------|---------------------|
|   |                                                         | 1800x300            |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



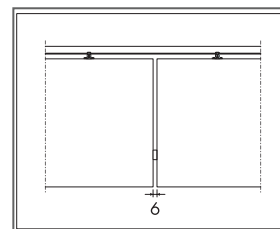
Fixing of Connect Profile connector



The baffles are secured with clips



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



Distinct gap of 6 mm between baffles with Connect Guiding pin



# Ecophon Solo™ Baffle ZigZag

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.

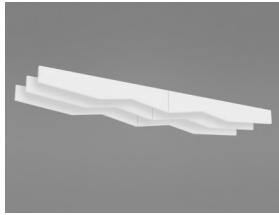


## SYSTEM RANGE

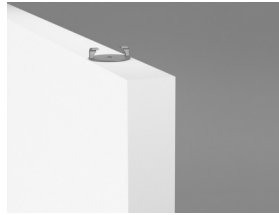


| Size, mm        | 1800x300   | 1800x600   |
|-----------------|------------|------------|
| Special Fixing  | •          | •          |
| Thickness (THK) | 40         | 40         |
| Inst. Diag.     | M496, M417 | M496, M417 |





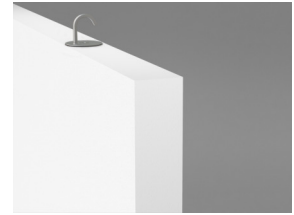
Solo Baffle ZigZag



Solo Baffle ZigZag/anchor



Solo Baffle ZigZag/anchor installation



Solo Baffle ZigZag/hook

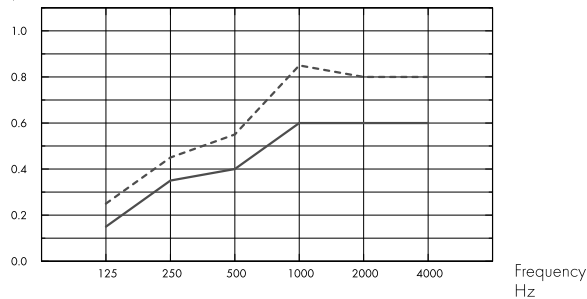


## Acoustic

### 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.

$\alpha_p$ , Practical sound absorption coefficient

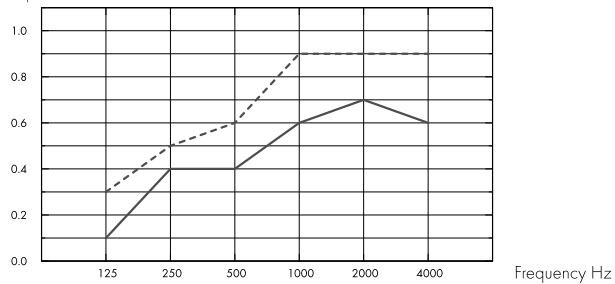


— Solo Baffle ZigZag 1800x300/200, spacing 600, direct mounting

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

o.d.s = overall depth of system

$A_{eq}$ , Equivalent absorption area per unit (m<sup>2</sup> sabin)



— Solo Baffle ZigZag 1800x300/200

--- Solo Baffle ZigZag 1800x600/300

o.d.s = overall depth of system

|      | THK<br>mm | o.d.s. mm | $\alpha_p$ , Practical sound absorption coefficient |        |        |         |         |         | $\alpha_w$ |
|------|-----------|-----------|-----------------------------------------------------|--------|--------|---------|---------|---------|------------|
|      |           |           | 125 Hz                                              | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |            |
| c600 | 40        | 300       | 0.15                                                | 0.35   | 0.40   | 0.60    | 0.60    | 0.60    | 0.50       |
| c600 | 40        | 600       | 0.25                                                | 0.45   | 0.55   | 0.85    | 0.80    | 0.80    | 0.65       |

|      | THK<br>mm | o.d.s. mm | $A_{eq}$ , Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|------|-----------|-----------|-----------------------------------------------------------------------|--------|--------|---------|---------|---------|
|      |           |           | 125 Hz                                                                | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| c600 | 40        | 300       | 0.1                                                                   | 0.4    | 0.4    | 0.6     | 0.7     | 0.6     |
| c600 | 40        | 600       | 0.3                                                                   | 0.5    | 0.6    | 0.9     | 0.9     | 0.9     |

| THK<br>mm | o.d.s. mm | NRC  | SAA  |
|-----------|-----------|------|------|
| 40        | 300       | 0.50 | 0.49 |
| 40        | 600       | 0.65 | 0.65 |



## Indoor Air Quality

### Certificate / Label

|                              |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|                    | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|--------------------|-----------------------------------------|
| Solo Baffle ZigZag | 11,13                                   |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country |            | 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 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.



## System weight

Approximate weight of system 2-4 kg/m



## Mechanical properties

Additional live load has to be fixed to the soffit.

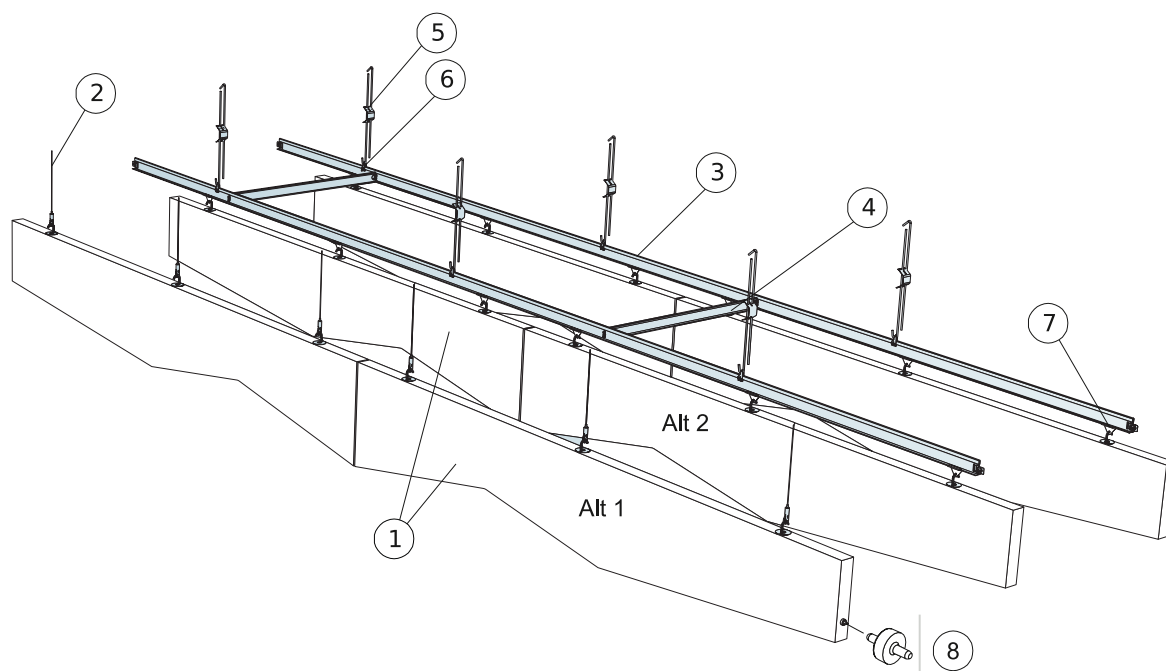


## CE

---

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.

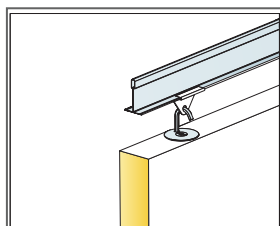
## INSTALLATION DIAGRAM (M496) FOR ECOPHON SOLO BAFFLE ZIGZAG/HOOK



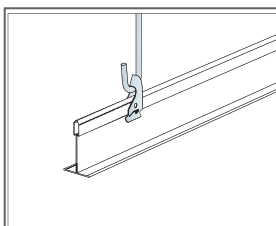
© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

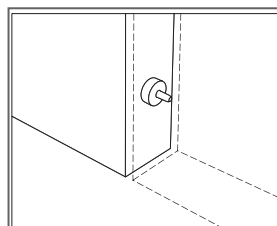
|                                                                         | Size, mm            |                     |
|-------------------------------------------------------------------------|---------------------|---------------------|
|                                                           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



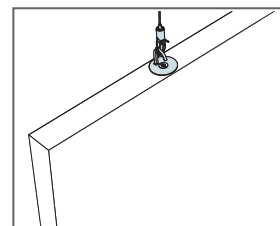
Detail of suspension



Suspension with adjustable hanger and clip

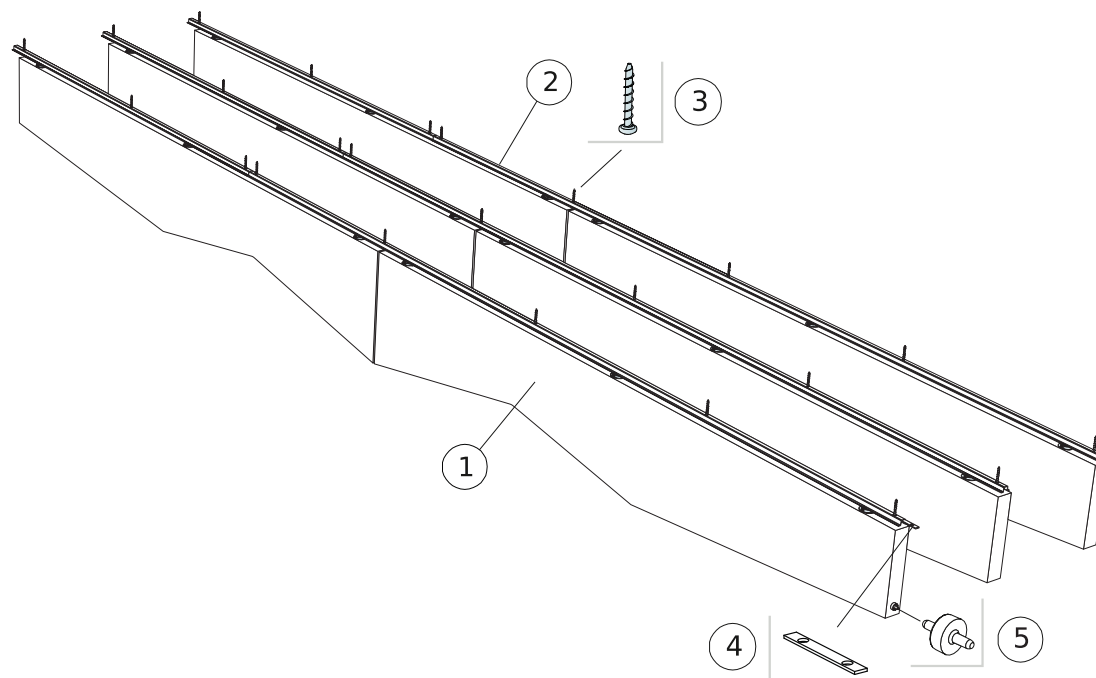


Connect Guiding pin, used to fix distance and level between panels



Suspension with Connect Adjustable wire hanger

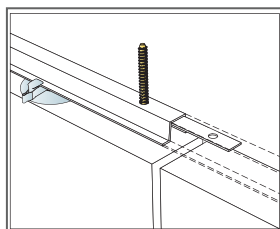
INSTALLATION DIAGRAM (M417) FOR ECOPHON SOLO BAFFLE ZIGZAG/ANCHOR



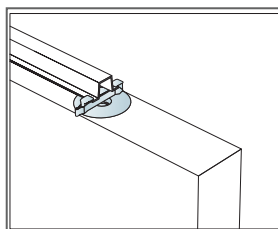
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

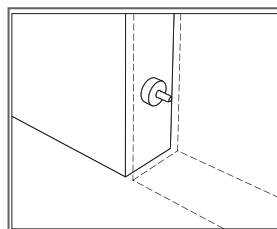
|   |                                                         | Size, mm            |                     |
|---|---------------------------------------------------------|---------------------|---------------------|
|   |                                                         | 1800x300            |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



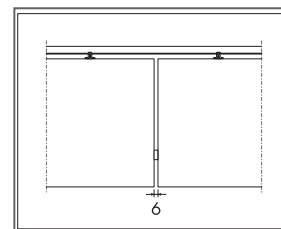
Fixing of Connect Profile connector



The baffles are secured with clips



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



Distinct gap of 6 mm between baffles with Connect Guiding pin

# Ecophon Solo™ Baffle Wall

Ecophon Solo™ Baffle Wall are acoustic solutions for walls. Solo Baffle Wall are suitable in buildings where you want to express design and have freedom to create patterns with different sizes and colours.

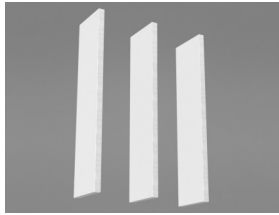
With Connect™ Baffle wall fixing you will easily attach the baffle to the wall.



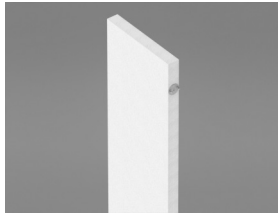
Clientèle, Johannesburg, South Africa

## SYSTEM RANGE

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



Solo Baffle Wall



Solo Baffle/anchor



Solo Baffle/anchor with Connect Baffle Wall fixing



## Acoustic

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



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|                  | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|------------------|-----------------------------------------|
| Solo Baffle Wall | 10,11                                   |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 57%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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 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.



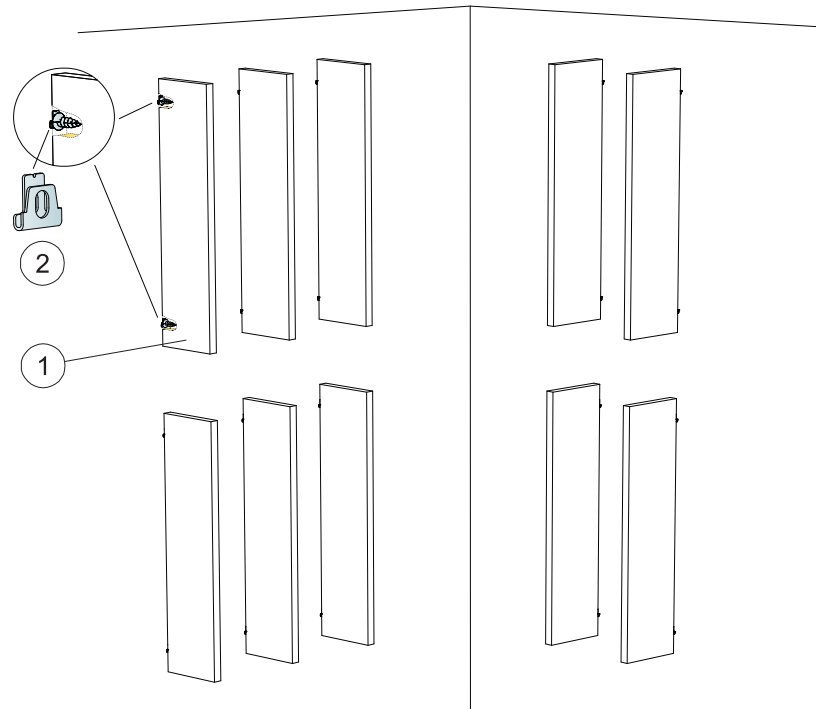
### **CE**

---

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.

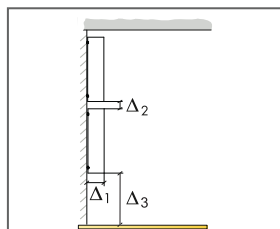


## INSTALLATION DIAGRAM (M420) FOR ECOPHON SOLO BAFFLE WALL

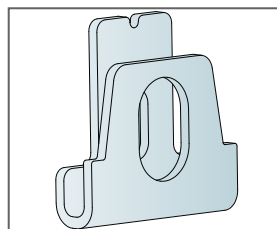


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

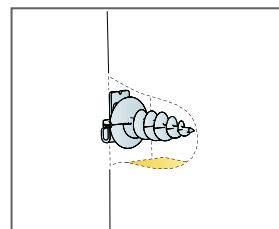
|                                                                   |                                                 | Size, mm           |                    |
|-------------------------------------------------------------------|-------------------------------------------------|--------------------|--------------------|
|                                                                   |                                                 | 1200x200           | 1200x300           |
| 1                                                                 | Solo Baffle/anchor, installed at 300 mm centres | 2,8/m <sup>2</sup> | 2,8/m <sup>2</sup> |
| 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        |                                                 | -                  | -                  |



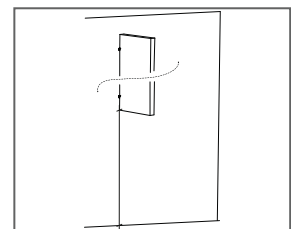
See Quantity specification



Detail of Connect Baffle wall bracket



Detail of panel



Mounting high min 2,5m.

# Ecophon Solo™ 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

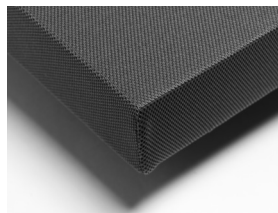
|                                                                                     |                 |           |
|-------------------------------------------------------------------------------------|-----------------|-----------|
|  | Size, mm        | 1200x1200 |
|                            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



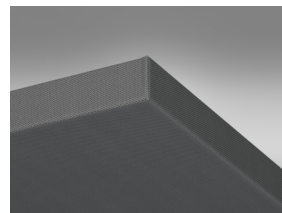
Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Solo Textile pre-cut hole



Solo Textile corner



Solo Textile panel

## Acoustic

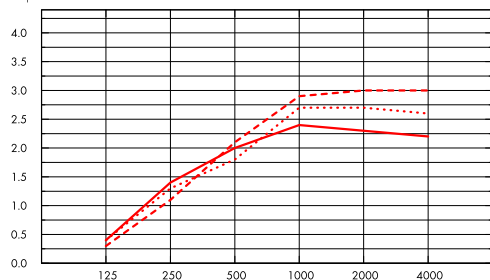


The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

### Sound Absorption:

Test results according to EN ISO 354.

A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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

Frequency Hz

|           | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 1200x1200 | 40        | 200       | 0.4                                                                        | 1.4    | 2.0    | 2.4     | 2.3     | 2.2     |
| 1200x1200 | 40        | 400       | 0.4                                                                        | 1.3    | 1.8    | 2.7     | 2.7     | 2.6     |
| 1200x1200 | 40        | 1000      | 0.3                                                                        | 1.1    | 2.1    | 2.9     | 3.0     | 3.0     |



## Indoor Air Quality

Certificate / Label

French VOC, A



## Circularity

Fully recyclable.



## Fire safety

| Country | Class      | See table |
|---------|------------|-----------|
| Europe  | EN 13501-1 | B-s1,d0   |



## 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.



### System weight

---

Approximately 7 kg.



### Mechanical properties

---

No additional live load is allowed.

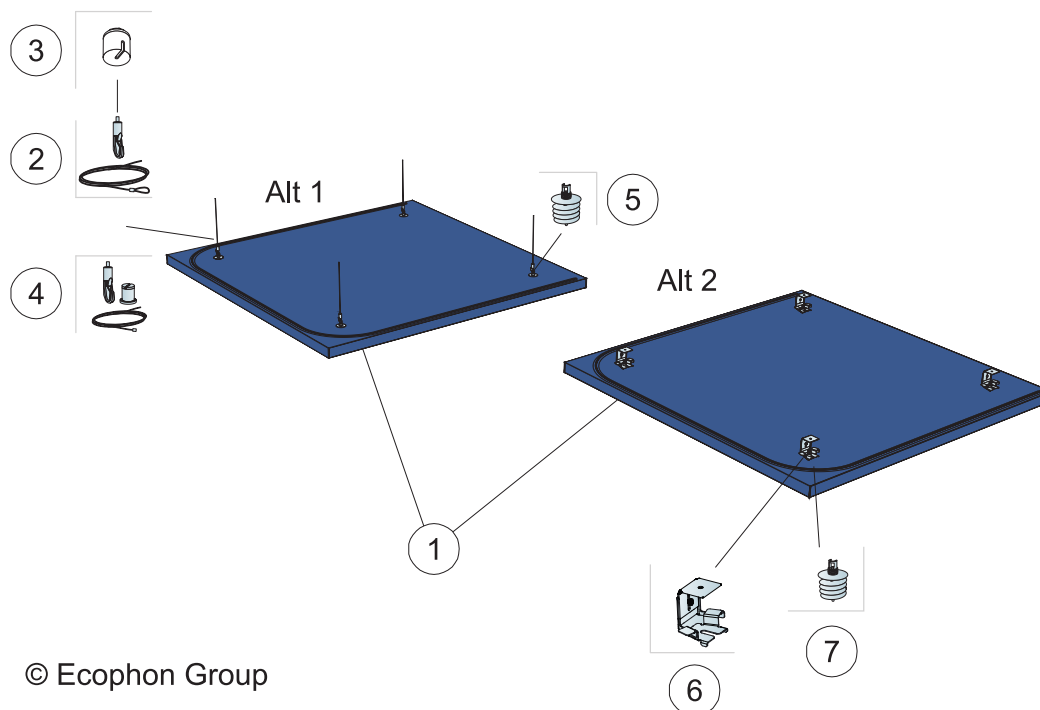


### CE

---

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.

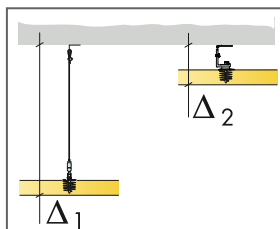
## INSTALLATION DIAGRAM (M482) FOR ECOPHON SOLO TEXTILE



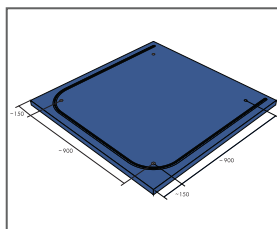
© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

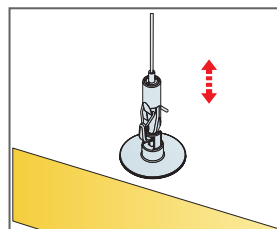
|                                                                             |                                               | Size, mm                  |
|-----------------------------------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                                             |                                               | 1200x1200                 |
| 1                                                                           | Solo Textile                                  | 1,44m <sup>2</sup> /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                   |
| $\Delta$ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 90 mm |                                               | -                         |



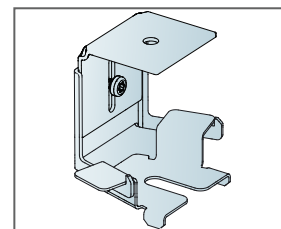
See Quantity specification



Installation dimensions



Easily adjustable suspension with Connect Adjustable wire hanger



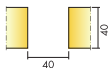
Details of Absorber bracket. Overall depth of system between 90-130mm

# Ecophon Solo™ Matrix

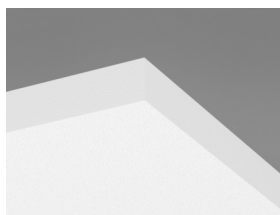
The system provides quick and easy installation with highest accuracy and a vast range of design possibilities. Each panel has a built in hatch function, and can easily be demounted. Suitable for larger areas where high coverage is required but a wall to wall solution is not possible.



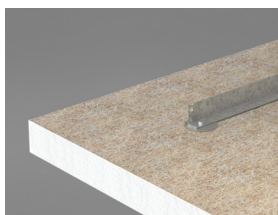
## SYSTEM RANGE



| 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      |



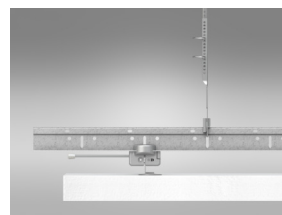
Solo Matrix panel



Connect Panel Cross Bar on rear side of Solo Matrix panel



Solo Matrix system



Section of Solo Matrix system



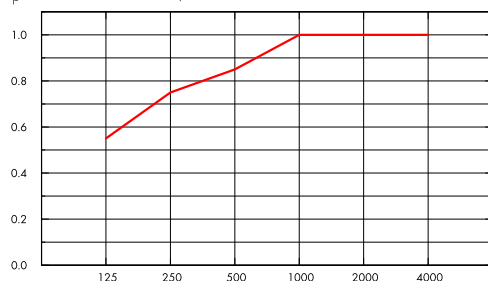
## Acoustic

The first diagram refers to clusters >10 m<sup>2</sup>. The second diagram to a cluster of four panels (1200x1040 mm) in a row with a distance of 40 mm (M502). 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.

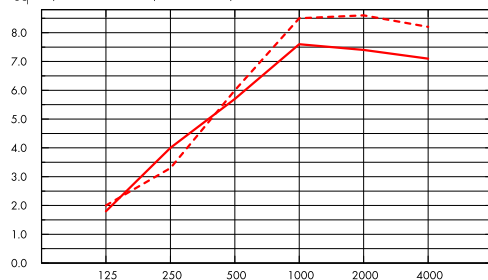
$\alpha_p$ , Practical sound absorption coefficient



— Solo Matrix 40 mm, 300 mm o.d.s.

o.d.s = overall depth of system

$A_{eq}$ , Equivalent absorption area per unit (m<sup>2</sup> sabin)



— Solo Matrix 40 mm (M502), 300 mm o.d.s.

- - - Solo Matrix 40 mm (M502), 600 mm o.d.s.

o.d.s = overall depth of system

| THK<br>mm | o.d.s. mm | $\alpha_p$ , Practical sound absorption coefficient |        |        |         |         |         | $\alpha_w$ | Sound absorption class |
|-----------|-----------|-----------------------------------------------------|--------|--------|---------|---------|---------|------------|------------------------|
|           |           | 125 Hz                                              | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |            |                        |
| 40        | 300       | 0.55                                                | 0.75   | 0.85   | 1.00    | 1.00    | 1.00    | 0.95       | A                      |

| THK<br>mm | o.d.s. mm | $A_{eq}$ , Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|-----------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           | 125 Hz                                                                | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 40        | 300       | 1.8                                                                   | 4.0    | 5.7    | 7.6     | 7.4     | 7.1     |
| 40        | 600       | 2.0                                                                   | 3.3    | 6.0    | 8.5     | 8.6     | 8.2     |
| 40        | 1000      | 2.1                                                                   | 3.5    | 6.4    | 9.1     | 9.2     | 9.0     |



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |





## Environmental Footprint

| kg CO <sub>2</sub> equiv/m <sup>2</sup> |      |
|-----------------------------------------|------|
| Solo Matrix                             | 7,52 |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 62%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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 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.



## System weight

The weight of the system (including suspension grid) should be approximately 4 kg/m<sup>2</sup>.



## 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.

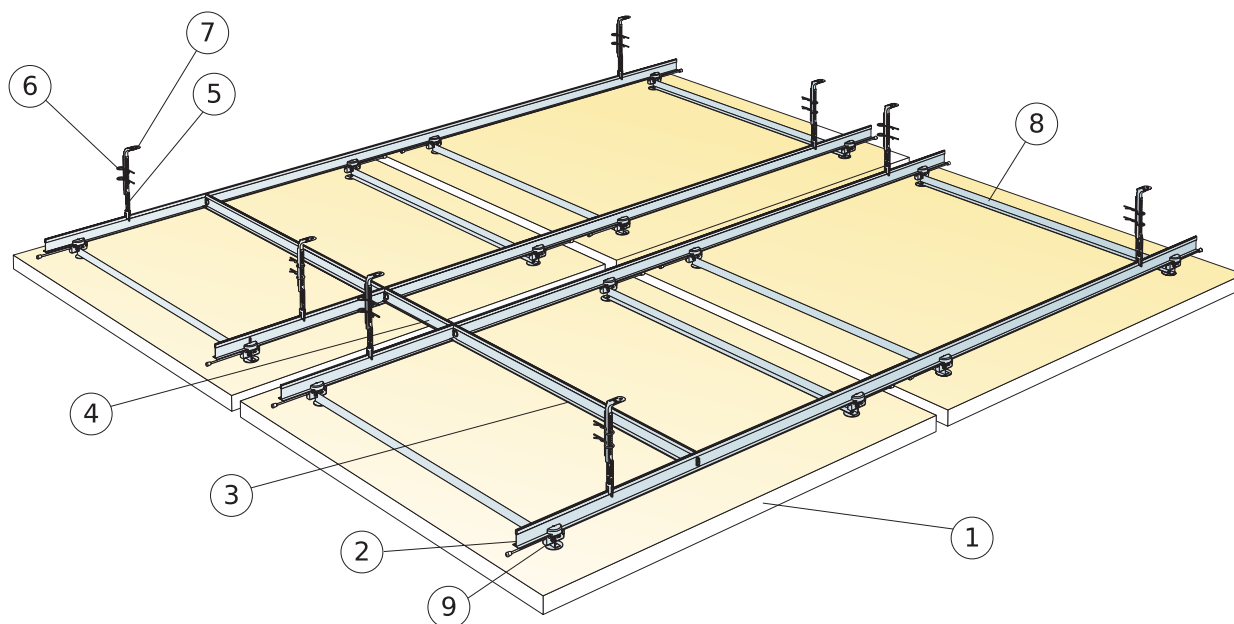


## CE

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.



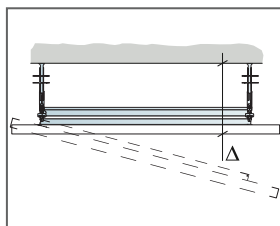
## INSTALLATION DIAGRAM (M501) FOR ECOPHON SOLO MATRIX IN MODULES



© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

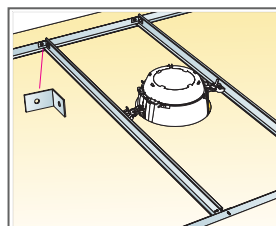
|                                                                          | Size, mm                  |                           |                           |                           |
|--------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                                          | 600x1200                  | 600x2400                  | 1200x1200                 | 2400x1200                 |
| 1 Solo Matrix                                                            | 0,72m <sup>2</sup> / tile | 1,44m <sup>2</sup> / tile | 1,44m <sup>2</sup> / tile | 2,88m <sup>2</sup> / tile |
| 2 Connect T24 Main runner, installed with spacing 900 mm and 300 mm      | 1,67m/m <sup>2</sup>      | 1,67m/m <sup>2</sup>      | 1,67m/m <sup>2</sup>      | 1,67m/m <sup>2</sup>      |
| 3 Connect T24 Cross tee, L=900 mm, installed with spacing 1800 mm        | 0,42m/m <sup>2</sup>      | 0,42m/m <sup>2</sup>      | 0,42m/m <sup>2</sup>      | 0,42m/m <sup>2</sup>      |
| 4 Connect T24 Cross tee, L=300 mm, installed with spacing 2400 mm        | 0,11m/m <sup>2</sup>      | 0,11m/m <sup>2</sup>      | 0,11m/m <sup>2</sup>      | 0,11m/m <sup>2</sup>      |
| 5 Connect Nonius Hanger Lower, installed with spacing 1800 mm            | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       |
| 6 Connect Split pin (2/hanger)                                           | 1,9/m <sup>2</sup>        | 1,9/m <sup>2</sup>        | 1,9/m <sup>2</sup>        | 1,9/m <sup>2</sup>        |
| 7 Connect Nonius hanger upper, installed with spacing 1800 mm            | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       |
| 8 Connect Panel cross bar                                                | 2/panel                   | 4/panel                   | 2/panel                   | 3/panel                   |
| 9 Connect Panel connector                                                | 4/panel                   | 8/panel                   | 4/panel                   | 6/panel                   |
| Δ Min. overall depth of system: 305 mm                                   | -                         | -                         | -                         | -                         |
| Quantity specification based on 40 mm gap between all panels             | -                         | -                         | -                         | -                         |
| Stabilization could be required, see installation guide for more details | -                         | -                         | -                         | -                         |



See Quantity Specification

| Modular size | Exact size |
|--------------|------------|
| 600x1200     | 560x1160   |
| 600x2400     | 560x2360   |
| 1200x1200    | 1160x1160  |
| 2400x1200    | 2360x1160  |

The left column shows modular sizes and the right exact panel sizes.

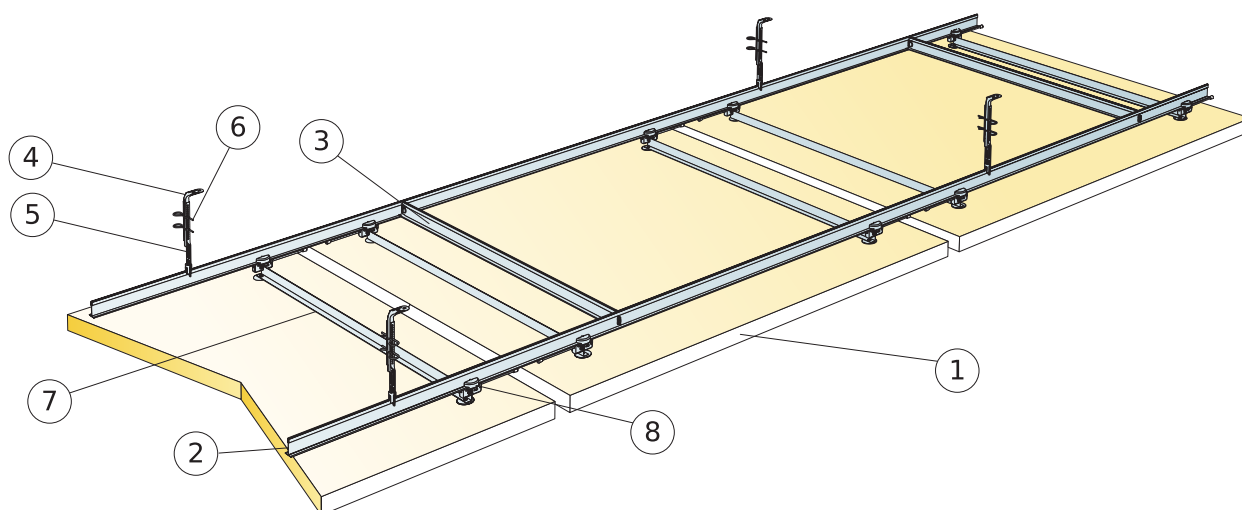


For heavier integrations use Connect Cross Tee and Connect Angle Bracket.

| Size, mm     | Max live load (N) | Min load bearing capacity (N) |
|--------------|-------------------|-------------------------------|
| 600x1200x40  | 5                 | 160                           |
| 600x2400x40  | 5                 | 160                           |
| 1200x1200x40 | 5                 | 160                           |
| 2400x1200x40 | 5                 | 160                           |

Live load/load bearing capacity

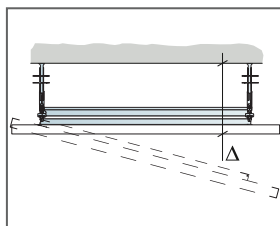
## INSTALLATION DIAGRAM (M502) FOR ECOPHON SOLO MATRIX IN ROWS



© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

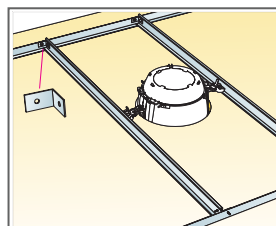
|                                                                                    | Size, mm                  |                           |                           |
|------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|
|                                                                                    | 600x1040                  | 1200x1040                 | 2400x1040                 |
| 1 Ecophon Master Matrix in rows                                                    | 0,63m <sup>2</sup> /panel | 1,25m <sup>2</sup> /panel | 2,50m <sup>2</sup> /panel |
| 2 Connect T24 Main runner, installed with spacing 900 mm                           | 1,93m/m <sup>2</sup>      | 1,93m/m <sup>2</sup>      | 1,93m/m <sup>2</sup>      |
| 3 Connect T24 Cross tee, L=900 mm, installed with spacing 1800 mm                  | 0,49m/m <sup>2</sup>      | 0,49m/m <sup>2</sup>      | 0,49m/m <sup>2</sup>      |
| 4 Connect Nonius hanger upper, installed with spacing 1800 mm                      | 1,07/m <sup>2</sup>       | 1,07/m <sup>2</sup>       | 1,07/m <sup>2</sup>       |
| 5 Connect Nonius Hanger Lower, installed with spacing 1800 mm                      | 1,07/m <sup>2</sup>       | 1,07/m <sup>2</sup>       | 1,07/m <sup>2</sup>       |
| 6 Connect Split pin (2/hanger)                                                     | 2,14/m <sup>2</sup>       | 2,14/m <sup>2</sup>       | 2,14/m <sup>2</sup>       |
| 7 Connect Panel cross bar                                                          | 2/panel                   | 2/panel                   | 3/panel                   |
| 8 Connect Panel connector                                                          | 4/panel                   | 4/panel                   | 6/panel                   |
| Δ Min. overall depth of system: 305 mm                                             | -                         | -                         | -                         |
| Quantity specification based on 40 mm gap between panels in installation direction | -                         | -                         | -                         |
| Stabilization could be required, see installation guide for more details           | -                         | -                         | -                         |



See Quantity Specification

| Modular size | Exact size |
|--------------|------------|
| 600x1040     | 560x1000   |
| 1200x1040    | 1160x1000  |
| 2400x1040    | 2360x1000  |

The left column shows modular sizes and the right exact panel sizes.

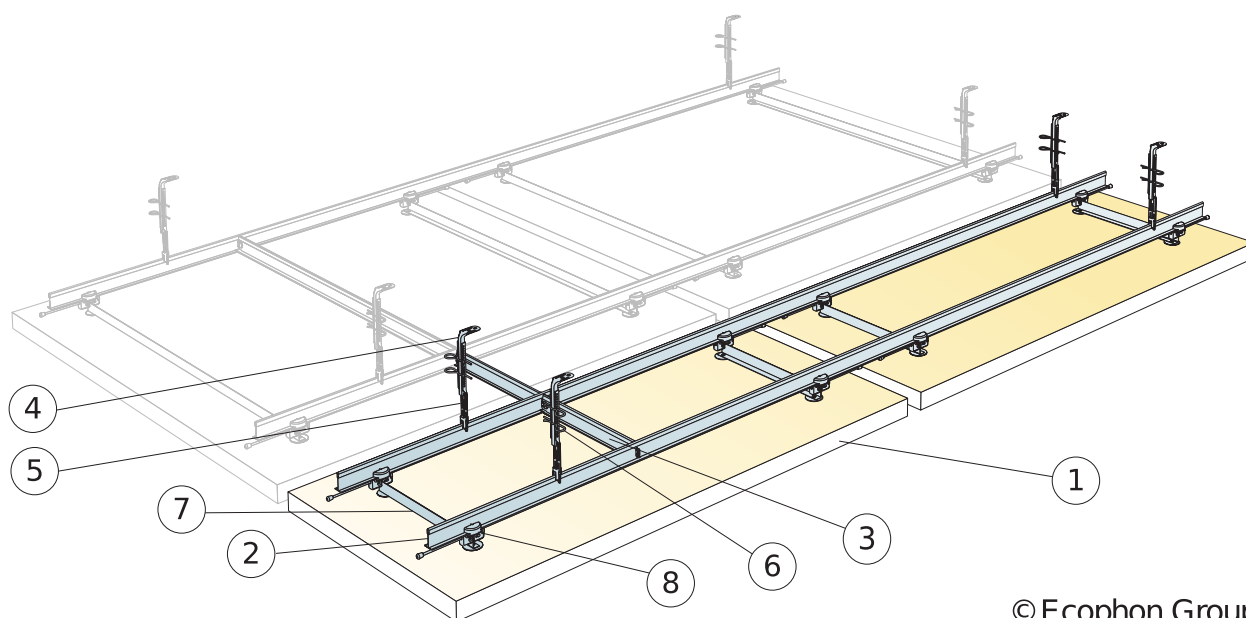


For heavier integrations use Connect Cross Tee and Connect Angle Bracket.

| Size, mm     | Max live load (N) | Min load bearing capacity (N) |
|--------------|-------------------|-------------------------------|
| 600x1040x40  | 5                 | 160                           |
| 1200x1040x40 | 5                 | 160                           |
| 2400x1040x40 | 5                 | 160                           |

Live load/load bearing capacity

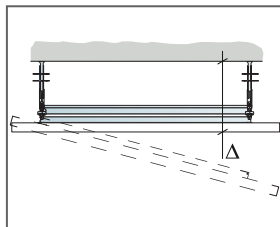
## INSTALLATION DIAGRAM (M503) FOR ECOPHON SOLO MATRIX IN MODULES



© Ecophon Group

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

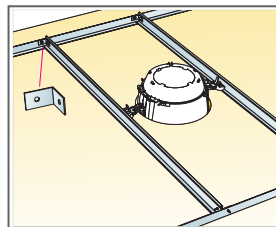
|                                                                          | Size, mm                  |                           |
|--------------------------------------------------------------------------|---------------------------|---------------------------|
|                                                                          | 600x1200                  | 600x2400                  |
| 1 Solo Matrix                                                            | 0,72m <sup>2</sup> /panel | 1,44m <sup>2</sup> /panel |
| 2 Connect T24 Main runner, installed with spacing 900 mm and 300 mm      | 1,67m/m <sup>2</sup>      | 1,67m/m <sup>2</sup>      |
| 3 Connect T24 Cross tee, L=300 mm, installed with spacing 2400 mm        | 0,11m/m <sup>2</sup>      | 0,11m/m <sup>2</sup>      |
| 4 Connect Nonius hanger upper, installed with spacing 1800 mm            | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       |
| 5 Connect Nonius Hanger Lower, installed with spacing 1800 mm            | 0,95/m <sup>2</sup>       | 0,95/m <sup>2</sup>       |
| 6 Connect Split pin (2/hanger)                                           | 1,9/m <sup>2</sup>        | 1,9/m <sup>2</sup>        |
| 7 Connect Panel cross bar                                                | 2/panel                   | 4/panel                   |
| 8 Connect Panel connector                                                | 4/panel                   | 8/panel                   |
| Δ Min. overall depth of system: 305 mm                                   | -                         | -                         |
| Quantity specification based on 40 mm gap between all panels             | -                         | -                         |
| Stabilization could be required, see installation guide for more details | -                         | -                         |



See Quantity Specification

| Modular size | Exact size |
|--------------|------------|
| 600x1200     | 560x1160   |
| 600x2400     | 560x2360   |
| 1200x1200    | 1160x1160  |
| 2400x1200    | 2360x1160  |

The left column shows modular sizes and the right exact panel sizes.



For heavier integrations use Connect Cross Tee and Connect Angle Bracket.

| Size, mm    | Max live load (N) | Min load bearing capacity (N) |
|-------------|-------------------|-------------------------------|
| 600x1200x40 | 5                 | 160                           |
| 600x2400x40 | 5                 | 160                           |

Live load/load bearing capacity

# 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



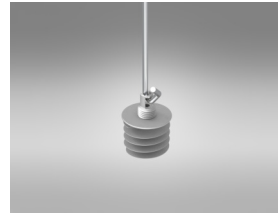
|                 |        |        |
|-----------------|--------|--------|
| Size, mm        | Ø800   | Ø1200  |
| Special Fixing  | •      | •      |
| Thickness (THK) | 40     | 40     |
| Inst. Diagr.    | M437C4 | M442C4 |



Solo Circle Akutex HS



Solo Circle Akutex HS tile



Suspension with Adjustable Hanger C4 and Absorber Anchor



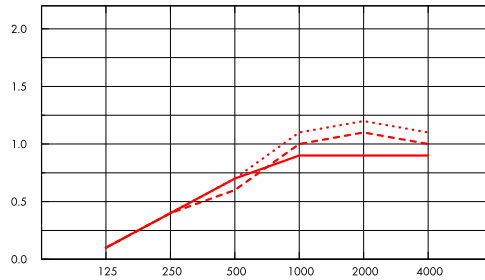
## Acoustic

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.

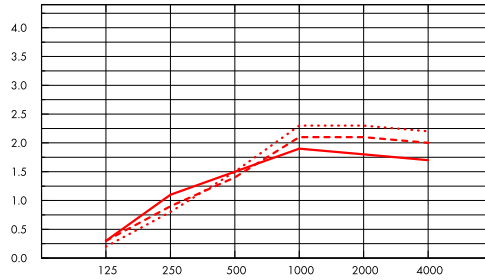
A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> sabin)



- Solo Circle/Akutex HS Ø800, 200 mm o.d.s.
  - - - 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

Frequency Hz

A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> sabin)



- Solo Circle/Akutex HS Ø1200, 200 mm o.d.s.
  - - - Solo Circle/Akutex HS Ø1200, 400 mm o.d.s.
  - ... Solo Circle/Akutex HS Ø1200, 1000 mm o.d.s.
- o.d.s = overall depth of system

Frequency Hz

|      | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|      |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| Ø800 | 40        | 200       | 0.1                                                                        | 0.4    | 0.7    | 0.9     | 0.9     | 0.9     |
| Ø800 | 40        | 400       | 0.1                                                                        | 0.4    | 0.6    | 1.0     | 1.1     | 1.0     |
| Ø800 | 40        | 1000      | 0.1                                                                        | 0.4    | 0.7    | 1.1     | 1.2     | 1.1     |

|       | THK<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-------|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|       |           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| Ø1200 | 40        | 200       | 0.3                                                                        | 1.1    | 1.5    | 1.9     | 1.8     | 1.7     |
| Ø1200 | 40        | 400       | 0.3                                                                        | 0.9    | 1.4    | 2.1     | 2.1     | 2.0     |
| Ø1200 | 40        | 1000      | 0.2                                                                        | 0.8    | 1.5    | 2.3     | 2.3     | 2.2     |



## Indoor Air Quality

### Certificate / Label

|                              |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|                       | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|-----------------------|-----------------------------------------|
| Solo Circle/Akutex HS | 10,87                                   |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 54%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country |            | 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.



## System weight

Approximately 2-4,5 kg.



## Mechanical properties

No additional live load is allowed.

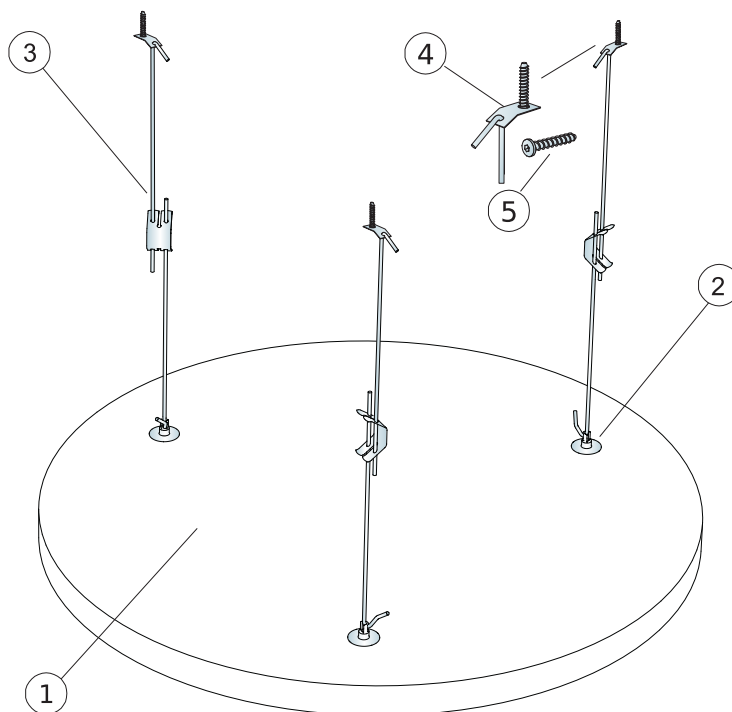


## CE

---

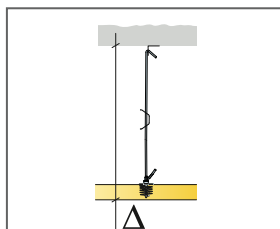
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

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

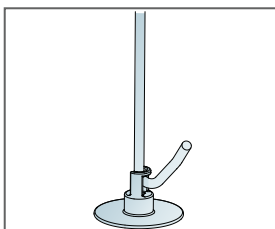


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

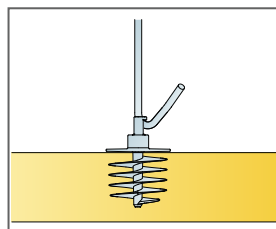
|                                          |                              | Size, mm                 |
|------------------------------------------|------------------------------|--------------------------|
|                                          |                              | Ø800                     |
| 1                                        | Solo Circle Akutex HS        | 0,5m <sup>2</sup> /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 |                              | -                        |



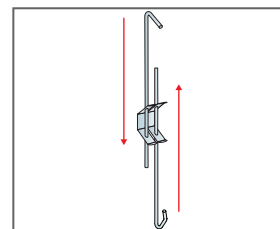
See Quantity Specification



Connect Adjustable Hanger C4 mounted in  
Connect Absorber Anchor



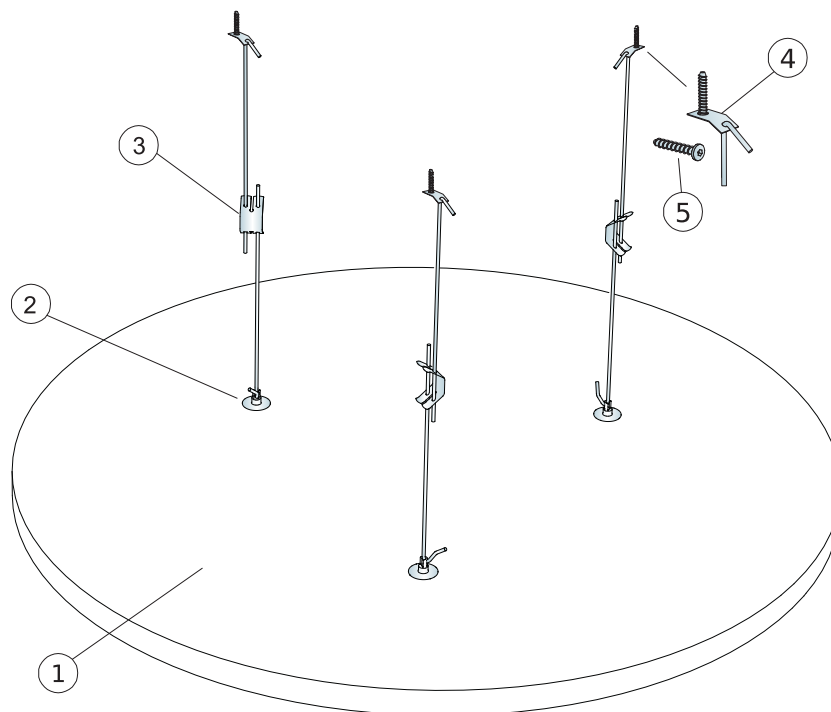
Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect  
Adjustable Hanger C4

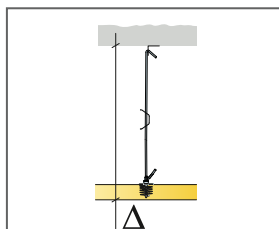


INSTALLATION DIAGRAM (M442C4) FOR ECOPHON SOLO™ CIRCLE AKUTEX HS C4

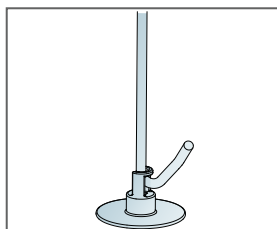


QUANTITY SPECIFICATION (EXCL. WASTAGE)

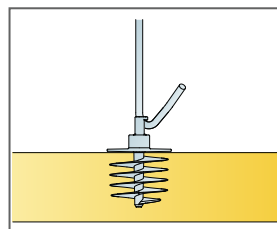
| Size, mm                                 |                              |                           |
|------------------------------------------|------------------------------|---------------------------|
| Ø1200                                    |                              |                           |
| 1                                        | Solo Circle Akutex HS        | 1,13m <sup>2</sup> /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 |                              | -                         |



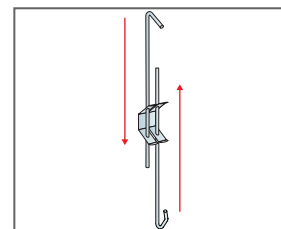
See Quantity Specification



Connect Adjustable Hanger C4 mounted in Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect Adjustable Hanger C4



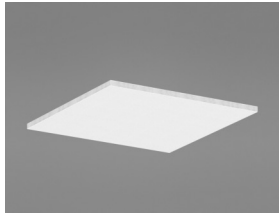
# Ecophon Solo™ Square Akutex HS

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.

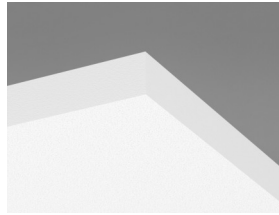


## SYSTEM RANGE

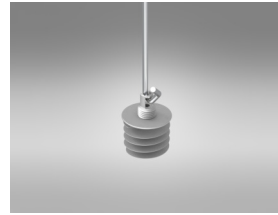
|                                                                                     |                 |           |
|-------------------------------------------------------------------------------------|-----------------|-----------|
|  | Size, mm        | 1200x1200 |
|                                                                                     | 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



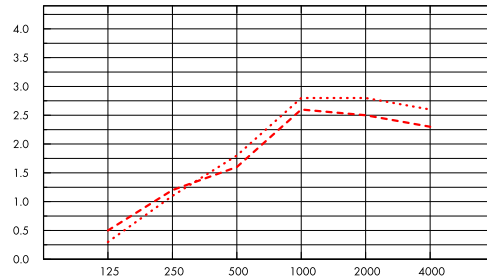
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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<br>mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 40        | 400       | 0.5                                                                        | 1.2    | 1.6    | 2.6     | 2.5     | 2.3     |
| 40        | 1000      | 0.3                                                                        | 1.1    | 1.8    | 2.8     | 2.8     | 2.6     |



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|             | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|-------------|-----------------------------------------|
| Solo Square | 9,37                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



## Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 54%              |
| Recyclability                          | Fully recyclable |



## Fire safety

| Country | 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.



### System weight

---

Approximately 6.5 kg (4.5 kg/m<sup>2</sup>).



### Mechanical properties

---

No additional live load is allowed.

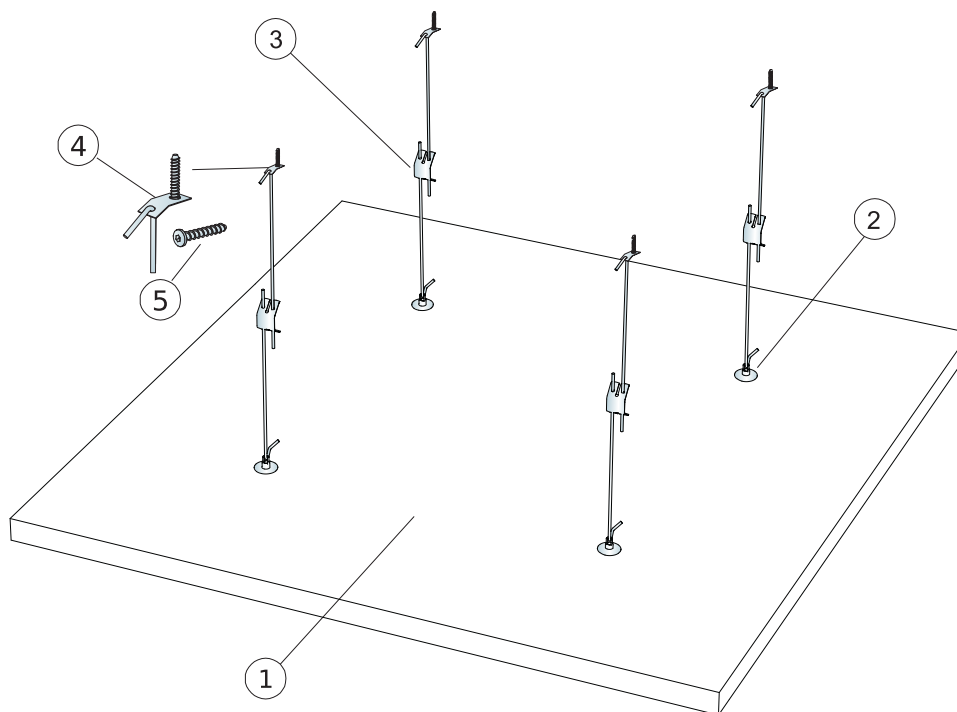


### CE

---

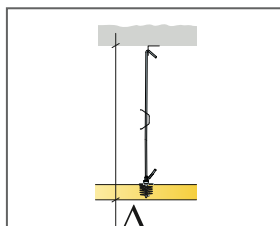
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

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

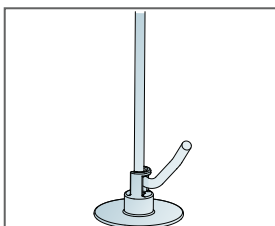


QUANTITY SPECIFICATION (EXCL. WASTAGE)

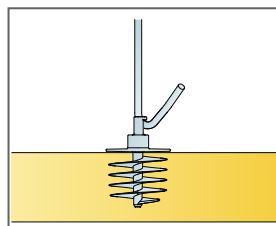
|                                          |                              | Size, mm                  |
|------------------------------------------|------------------------------|---------------------------|
|                                          |                              | 1200x1200                 |
| 1                                        | Solo Square Akutex HS        | 1,44m <sup>2</sup> /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 |                              | -                         |



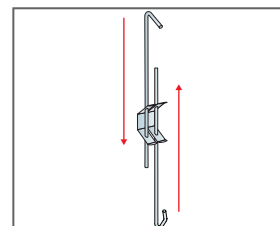
See Quantity Specification



Connect Adjustable Hanger C4 mounted in  
Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect  
Adjustable Hanger C4



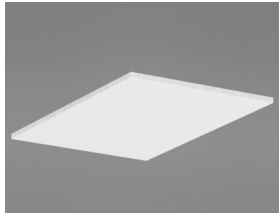
# Ecophon Solo™ Rectangle Akutex HS

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.

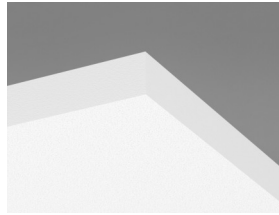


## SYSTEM RANGE

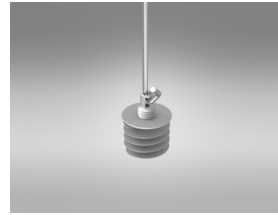
|  |                 |           |           |
|--|-----------------|-----------|-----------|
|  | Size, mm        | 1800x1200 | 2400x1200 |
|  | Special Fixing  | •         | •         |
|  | Thickness (THK) | 40        | 40        |
|  | Inst. Diag.     | M436C4    | M441C4    |



Solo Rectangle Akutex HS



Solo Rectangle Akutex HS tile



Suspension with Adjustable Hanger C4 and Absorber Anchor



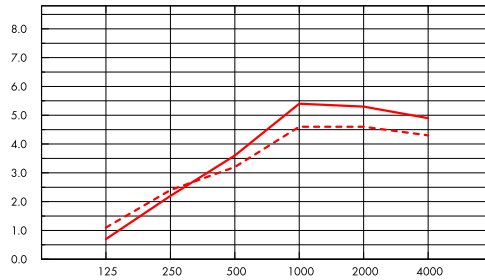
## Acoustic

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<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> sabin)



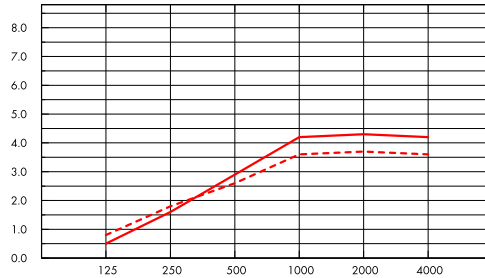
--- Solo Rectangle 2400x1200/Akutex HS, 400 mm o.d.s.

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

o.d.s = overall depth of system

Frequency Hz

A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> 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

Frequency Hz

|           | THK mm | o.d.s. mm | A <sub>eq</sub> Equivalent absorption area per unit (m <sup>2</sup> sabin) |        |        |         |         |         |
|-----------|--------|-----------|----------------------------------------------------------------------------|--------|--------|---------|---------|---------|
|           |        |           | 125 Hz                                                                     | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |
| 2400x1200 | 40     | 400       | 1.1                                                                        | 2.4    | 3.2    | 4.6     | 4.6     | 4.3     |
| 2400x1200 | 40     | 1000      | 0.7                                                                        | 2.2    | 3.6    | 5.4     | 5.3     | 4.9     |
| 1800x1200 | 40     | 400       | 0.8                                                                        | 1.8    | 2.6    | 3.6     | 3.7     | 3.6     |
| 1800x1200 | 40     | 1000      | 0.5                                                                        | 1.6    | 2.9    | 4.2     | 4.3     | 4.2     |



## Indoor Air Quality

| Certificate / Label          |     |
|------------------------------|-----|
| Eurofins Indoor Air Comfort® | IAC |
| French VOC                   | A   |
| Finnish M1                   | •   |



## Environmental Footprint

|                | kg CO <sub>2</sub> equiv/m <sup>2</sup> |
|----------------|-----------------------------------------|
| Solo Rectangle | 9,64                                    |

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804



### Circularity

|                                        |                  |
|----------------------------------------|------------------|
| Minimum post-consumer recycled content | 54%              |
| Recyclability                          | Fully recyclable |



### Fire safety

| Country | 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.



### System weight

Approximately 6,5-17,5 kg.



### Mechanical properties

No additional live load is allowed.

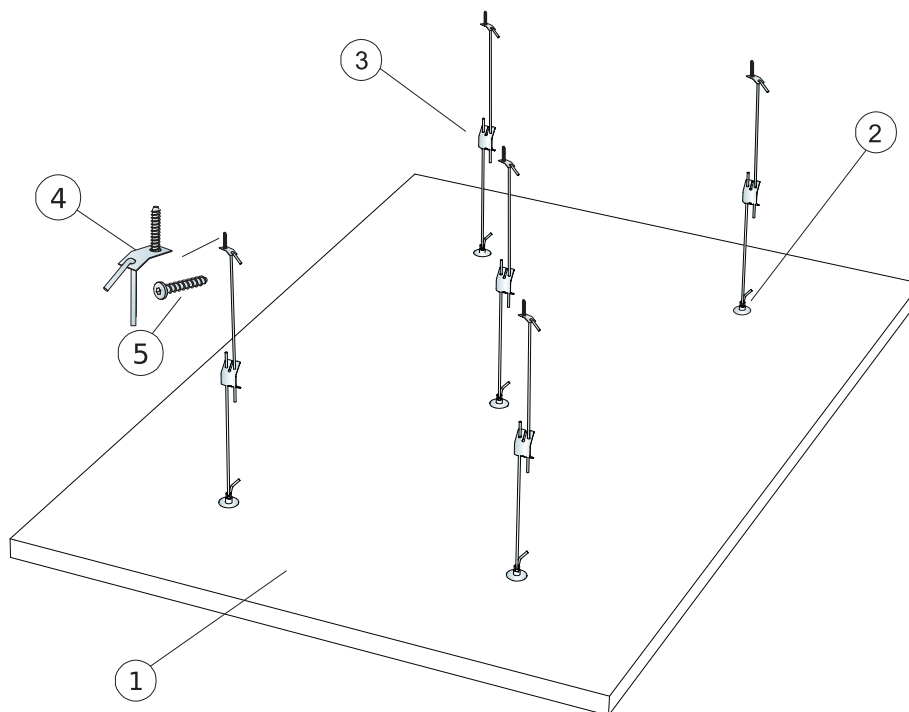


### CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

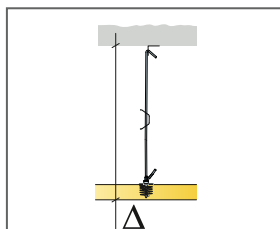


## INSTALLATION DIAGRAM (M436C4) FOR ECOPHON SOLO™ RECTANGLE AKUTEX HS C4 1800X1200

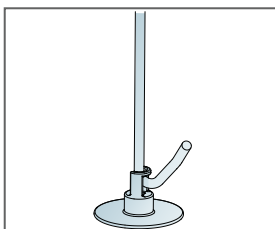


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

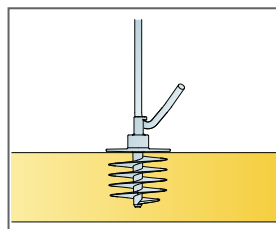
|                                          |                              | Size, mm                  |
|------------------------------------------|------------------------------|---------------------------|
|                                          |                              | 1800x1200                 |
| 1                                        | Solo Rectangle Akutex HS     | 2,16m <sup>2</sup> /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 |                              | -                         |



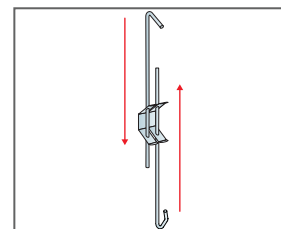
See Quantity Specification



Connect Adjustable Hanger C4 mounted in  
Connect Absorber Anchor

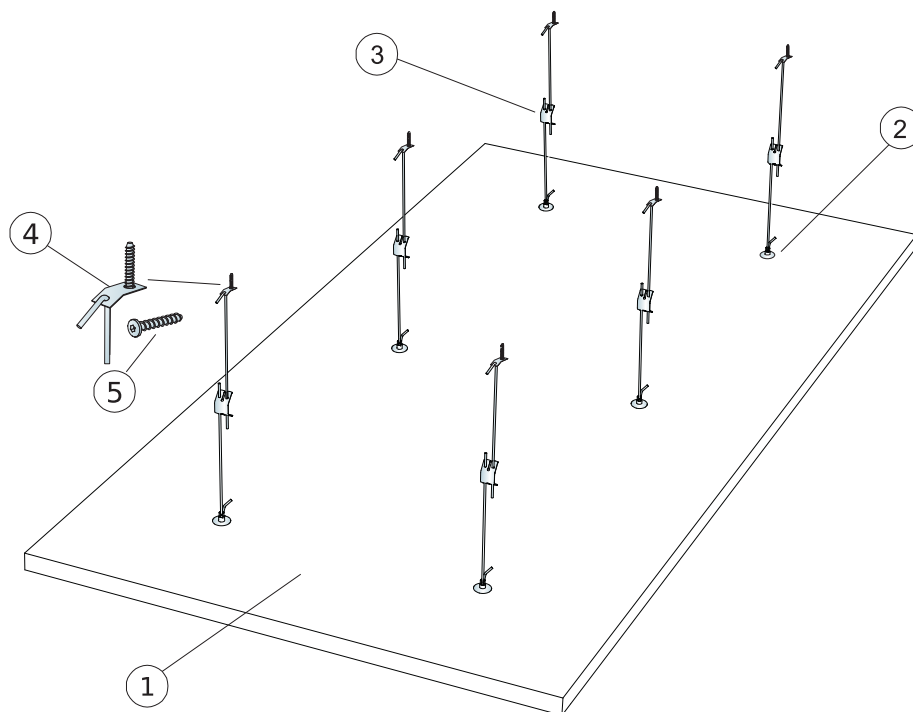


Connect Absorber Anchor mounted in panel



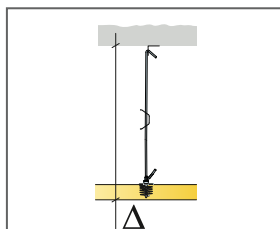
Adjustable suspension with Connect  
Adjustable Hanger C4

INSTALLATION DIAGRAM (M441C4) FOR ECOPHON SOLO™ RECTANGLE AKUTEX HS 2400X1200

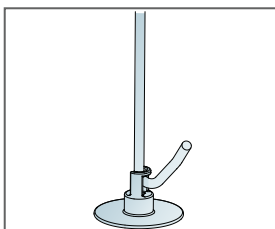


QUANTITY SPECIFICATION (EXCL. WASTAGE)

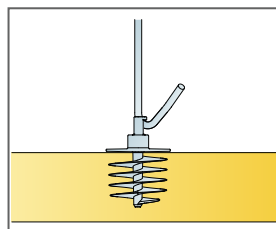
|                                          |                              | Size, mm                  |
|------------------------------------------|------------------------------|---------------------------|
|                                          |                              | 2400x1200                 |
| 1                                        | Solo Rectangle Akutex HS     | 2,88m <sup>2</sup> /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 |                              | -                         |



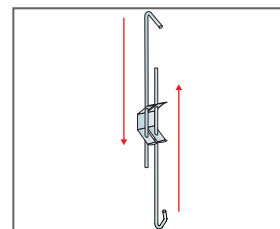
See Quantity Specification



Connect Adjustable Hanger C4 mounted in  
Connect Absorber Anchor



Connect Absorber Anchor mounted in panel



Adjustable suspension with Connect  
Adjustable Hanger C4