

# Ecophon Solo™ Circle

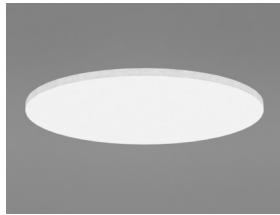
Solo Circle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



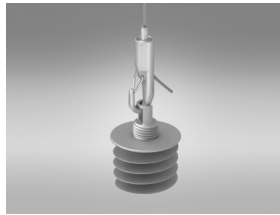
Asia Zereca, Warsaw, Poland

## SYSTEM RANGE

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



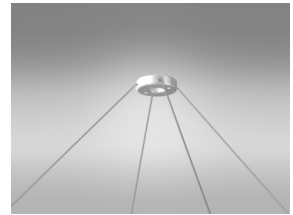
Solo Circle



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with One-point fixing anchor

## Acoustic

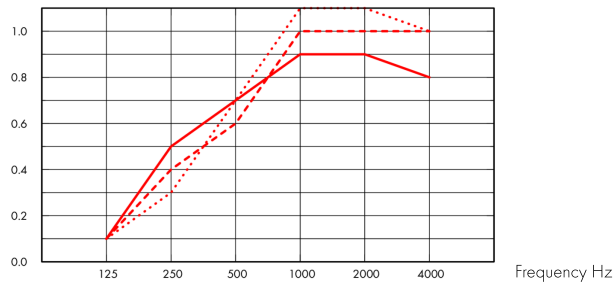


The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

### Sound Absorption:

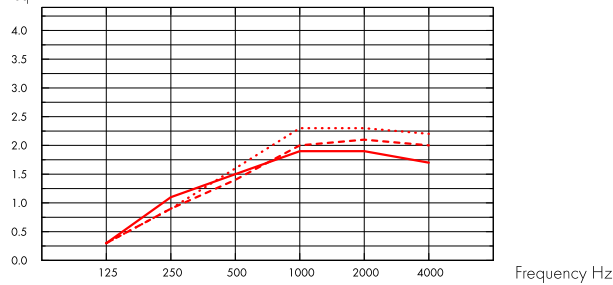
Test results according to EN ISO 354.

$A_{anr}$ , 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

$A_{eq}$ , 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

|      | THK 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 |
| Ø800 | 40     | 200       | 0.1   | 0.5    | 0.7    | 0.9     | 0.9     | 0.8     |
| Ø800 | 40     | 400       | 0.1   | 0.4    | 0.6    | 1.0     | 1.0     | 1.0     |
| Ø800 | 40     | 1000      | 0.1   | 0.3    | 0.7    | 1.1     | 1.1     | 1.0     |

|       | THK 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 |
| 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          | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold     |
| French VOC                   | A+           |
| Finnish M1                   | •            |



## Cradle to Cradle Certified®



This product is Cradle to Cradle Certified® at Bronze level (version 4.0).



## Material Health

This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.



## Carbon 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 | Fire standard | Class    |
|---------|---------------|----------|
| Europe  | EN 13501-1    | A2-s1,d0 |

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



## Humidity Resistance

| Product  | Classification           |
|----------|--------------------------|
| 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

---

|             | kg/m <sup>2</sup> | Weight information is indicative and subject to variation. |
|-------------|-------------------|--|
| Solo Circle | 4,6               |  |



## 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).

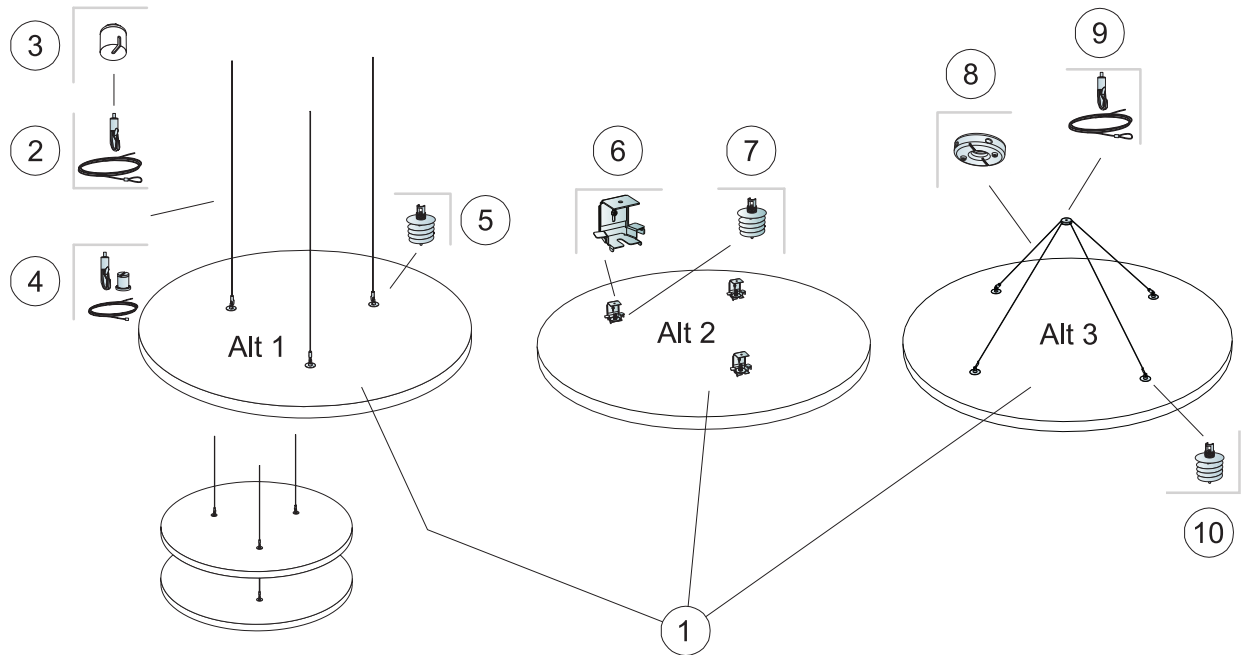


## CE

---

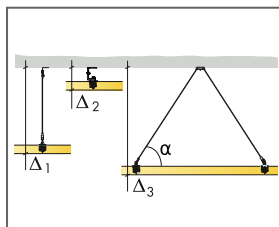
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## INSTALLATION DIAGRAM (M410) FOR ECOPHON SOLO CIRCLE

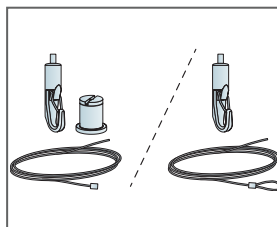


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

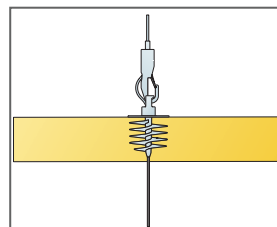
|  |   | Size, mm                  |
|--|---|---------------------------|
|  |   | Ø1200                     |
| 1  | Solo Circle                                   | 1,13m <sup>2</sup> /panel |
| 2  | Connect Adjustable wire hanger (Alt 1)        | 3/panel                   |
| 3  | Connect Covering 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 |   | -                         |



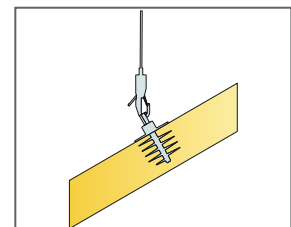
See Quantity specification



Two types of Adjustable wire solutions

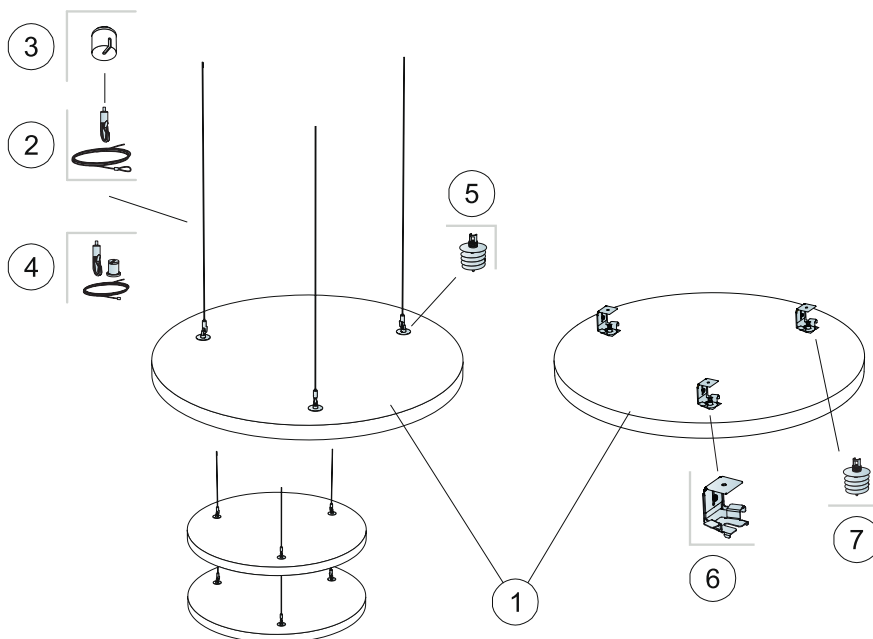


Panels can be suspended underneath each other



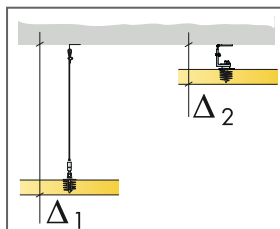
Panels can be installed in angles

## INSTALLATION DIAGRAM (M411) FOR ECOPHON SOLO CIRCLE

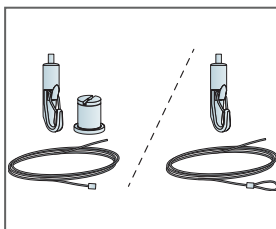


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

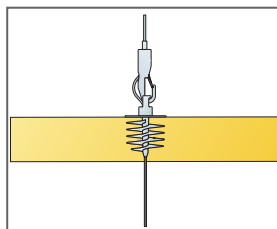
|  |   | Size, mm                 |
|--|---|--------------------------|
|  |   | Ø800                     |
| 1  | Solo Circle                                   | 0,5m <sup>2</sup> /panel |
| 2  | Connect Adjustable wire hanger (Alt 1)        | 3/panel                  |
| 3  | Connect Covering cup (Alt 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 |   | -                        |



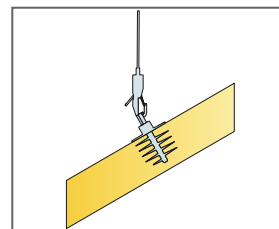
See Quantity specification



Two types of Adjustable wire solutions



Panels can be suspended underneath each other



Panels can be installed in angles