Ecophon Solo™ Circle

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

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

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



Astra Zeneca, Warsaw, Poland

SYSTEM RANGE

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

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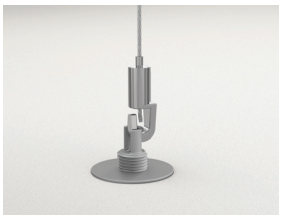
Solo Circle



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with Connect Absorber bracket and Connect Absorber anchor

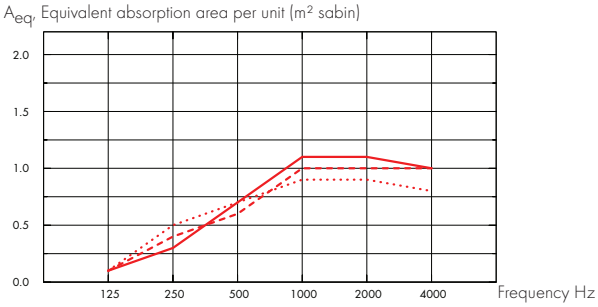


Suspension with One-point fixing

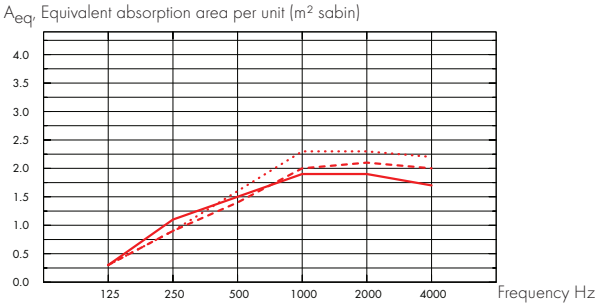
Acoustics

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

Sound Absorption:
Test results according to EN ISO 354.



– 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



– 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 (m² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø800	40	200	0.10	0.30	0.70	1.10	1.10	1.00
Ø800	40	400	0.10	0.40	0.60	1.00	1.00	1.00
Ø800	40	1000	0.10	0.50	0.70	0.90	0.90	0.80
Ø1200	40	200	0.30	1.10	1.50	1.90	1.90	1.70
Ø1200	40	400	0.30	0.90	1.40	2.00	2.10	2.00
Ø1200	40	1000	0.30	0.90	1.60	2.30	2.30	2.20

Indoor Air Quality

Certificate / Label	
Finnish M1	•
French VOC, A+	•

Environmental Footprint

Kg CO_2 equiv/m²: 8,07

From EPD in conformity with ISO 14025 / EN 15804

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Circularity

Fully recyclable.

Fire safety

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

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

Humidity Resistance

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

Visual appearance

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

Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility

The tiles are demountable.

Installation

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

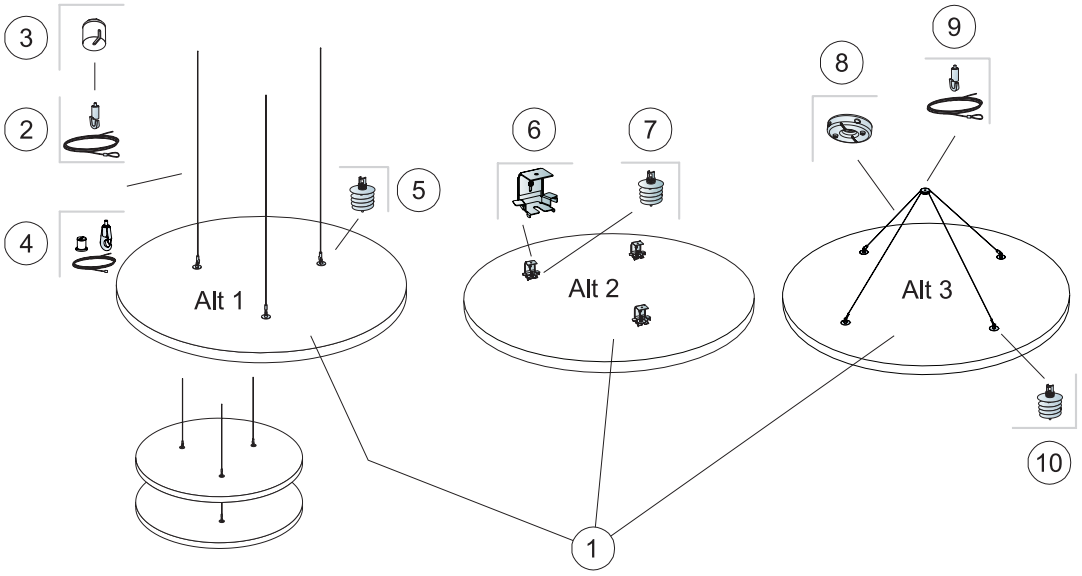
Mechanical properties

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

CE

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

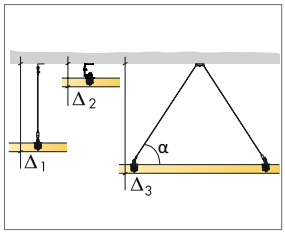
INSTALLATION DIAGRAM (M410) FOR ECOPHON SOLO CIRCLE



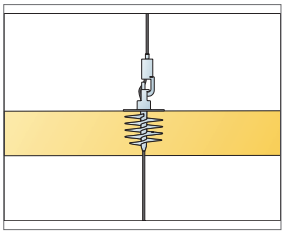
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		Ø1200
1	Solo Circle	1,13m²/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

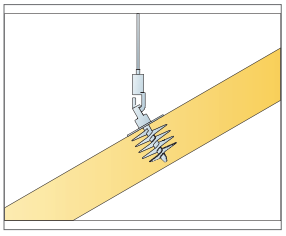
Δ Min. overall depth of system: Δ1 130 mm / Δ2 90 mm / Δ3 500 mm



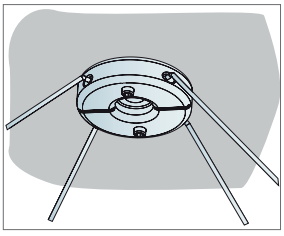
See Quantity specification



Panels can be suspended underneath each other

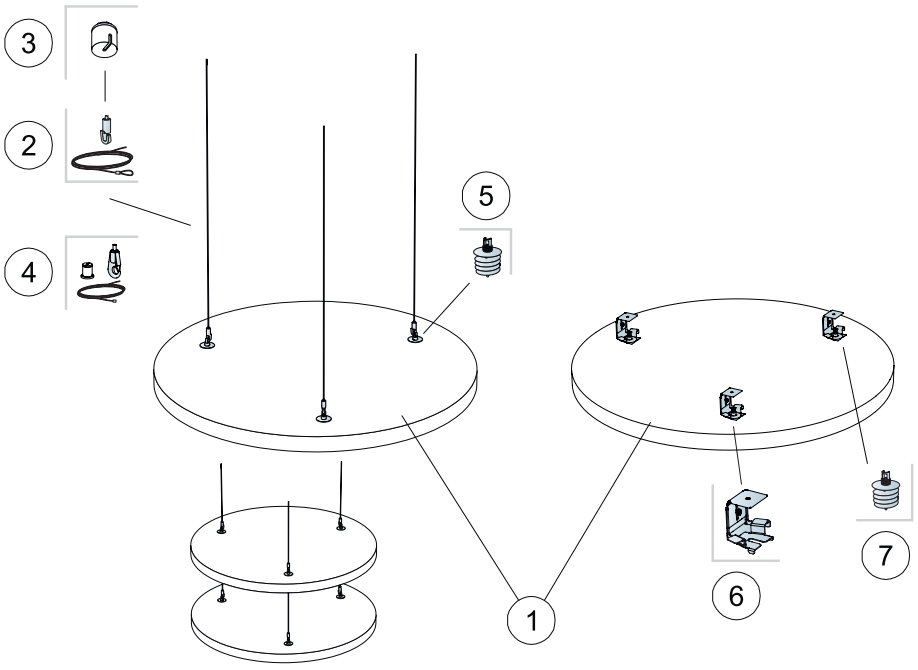


Panels can be installed in angles up to 60°



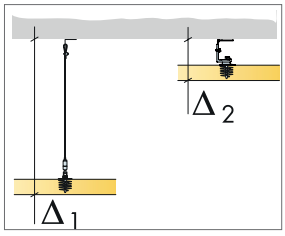
Detail of One-point fixing

INSTALLATION DIAGRAM (M411) FOR ECOPHON SOLO CIRCLE

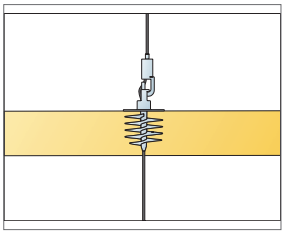


QUANTITY SPECIFICATION (EXCL. WASTAGE)

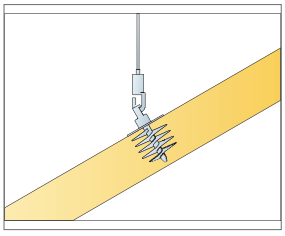
		Size, mm
		Ø800
1	Solo Circle	0,5m²/panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Covering cup (Alt 1, Optional)	3/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	3/panel
5	Connect Absorber anchor (Alt 1)	3/panel
6	Connect Absorber bracket (Alt 2)	3/panel
7	Connect Absorber anchor (Alt 2)	3/panel
	Δ Min. overall depth of system: Δ1 130 mm / Δ2 90 mm	-



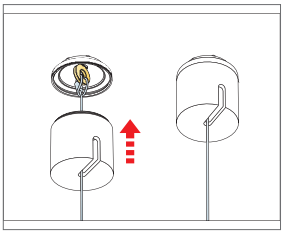
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles up to 60°



Installation of Connect Covering cup