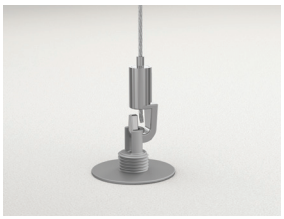
Ecophon Solo™ Circle

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.

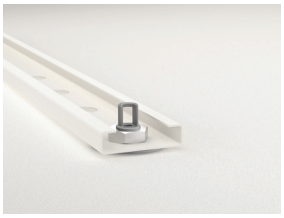
Solo Circle is an unframed free hanging unit offering a high degree of design possibilities both regarding colours and suspension systems. The three different suspension systems using Adjustable wire hangers, Rigid hanger or Adjust brackets in combination with the engineered Connect Absorber anchor (patent pending) 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 utilizing the 3RD Technology, with Akutex™ FT surface on both sides. The edges are straight cut and painted.

Solo tile



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Rigid hanger and Connect Absorber anchor

Suspension with Connect Adjust bracket

SYSTEM RANGE

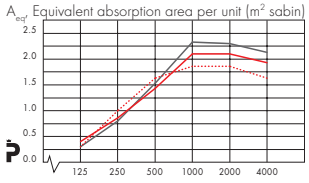
Size, mm	800 x 800	1200 x 1200
Special Fixing	•	•
Thickness	40	40
Inst. Diagr.	M292	M282, M358

TECHNICAL PROPERTIES

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

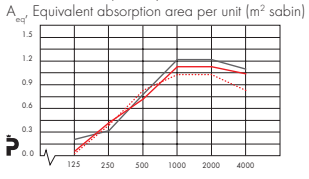
Sound Absorption: Test results according to EN ISO 354.

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



– Ecophon Solo Circle Ø1200 / 1000 mm o.d.s
— Ecophon Solo Circle Ø1200 / 400 mm o.d.s.
· · · · Ecophon Solo Circle Ø1200 / 200 mm o.d.s.
o.d.s = overall depth of system

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



– Ecophon Solo Circle Ø800 / 1000 mm o.d.s
— Ecophon Solo Circle Ø800 / 400 mm o.d.s.
· · · · Ecophon Solo Circle Ø800 / 200 mm o.d.s.
o.d.s = overall depth of system

Sound Insulation: Not applicable.

Sound Privacy: Not applicable

ACCESSIBILITY The tiles are demountable.

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping.

VISUAL APPEARANCE White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd/(m²lx). Gloss < 1.

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.

INDOOR CLIMATE Certified by the Indoor Climate Labelling, emission class M1 for building materials and recommended by the Swedish Asthma and Allergy Association.

ENVIRONMENTAL INFLUENCE Glass wool core utilising 3RD Technology. Granted the Nordic Swan eco-label. Fully recyclable.

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

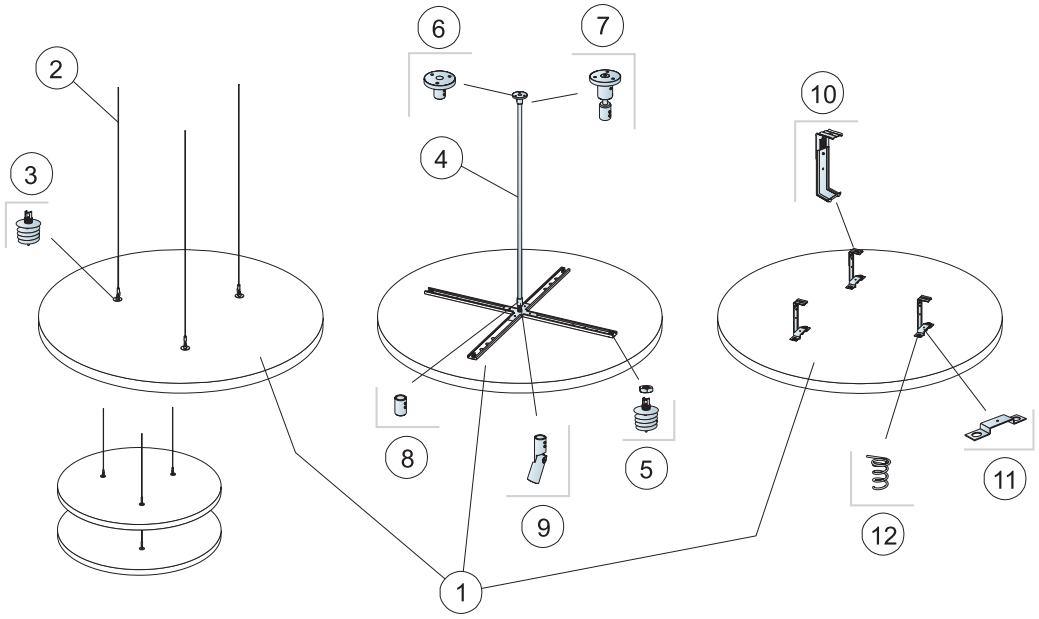
Reaction-to-fire classification

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

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

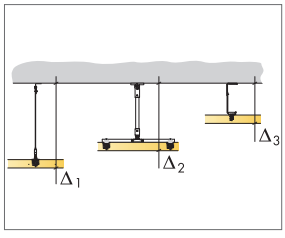
INSTALLATION Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

INSTALLATION DIAGRAM (M282) FOR ECOPHON SOLO CIRCLE

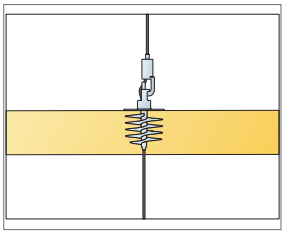


QUANTITY SPECIFICATION (EXCL. WASTAGE)

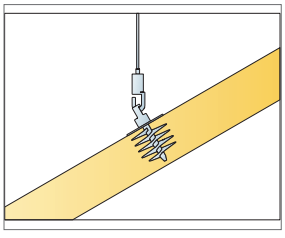
		Size, mm
		1200x1200
1	Solo Circle	1,13m²/panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Absorber anchor (Alt 1)	3/panel
4	Connect Rigid hanger (Alt 2)	1/panel
5	Connect Absorber anchor (Alt 2)	4/panel
6	Connect Soffit fixing (Alt 2)	1/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	1/panel
8	Connect Panel fixing (Alt 2)	1/panel
9	Alt. Connect Panel angle fixing (Alt 2)	1/panel
10	Connect Adjust bracket (Alt 3)	3/panel
11	Connect Fixing plate (Alt 3)	3/panel
12	Connect Spiral anchor flat (Alt 3)	6/panel
	Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm	-



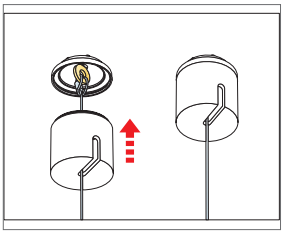
See Quantity specification



Panels can be suspended underneath each other

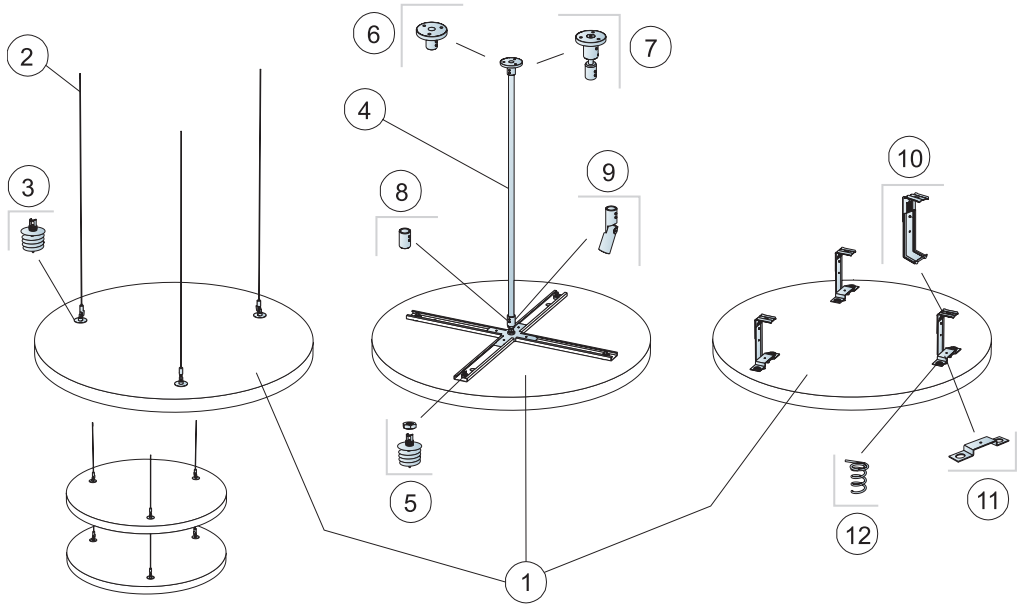


Panels can be installed in angles up to 60°



Installation of Connect Covering cup

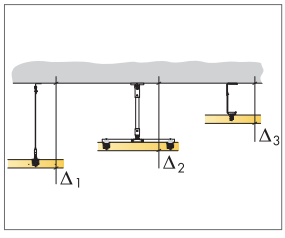
INSTALLATION DIAGRAM (M292) FOR ECOPHON SOLO CIRCLE



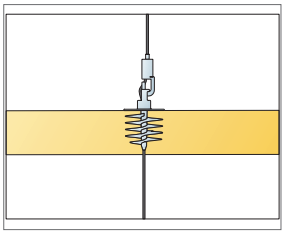
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		800x800
1	Solo Circle	0,5m²/panel
2	Connect Adjustable wire hanger (Alt 1)	3/panel
3	Connect Absorber anchor (Alt 1)	3/panel
4	Connect Rigid hanger (Alt 2)	1/panel
5	Connect Absorber anchor (Alt 2)	4/panel
6	Connect Soffit fixing (Alt 2)	1/panel
7	Alt. Connect Adjust Soffit fixing (Alt 2)	1/panel
8	Connect Panel fixing (Alt 2)	1/panel
9	Alt. Connect Panel angle fixing (Alt 2)	1/panel
10	Connect Adjust bracket (Alt 3)	3/panel
11	Connect Fixing plate (Alt 3)	3/panel
12	Connect Spiral anchor flat (Alt 3)	6/panel

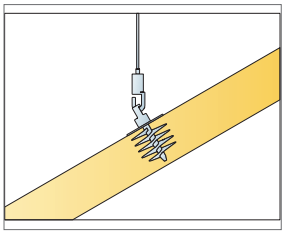
Δ Min. overall depth of system: Δ1 140 mm / Δ2 297 mm / Δ3 121 mm



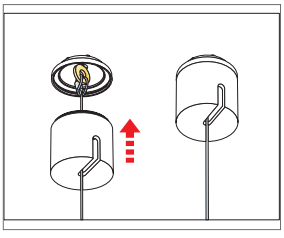
See Quantity specification



Panels can be suspended underneath each other

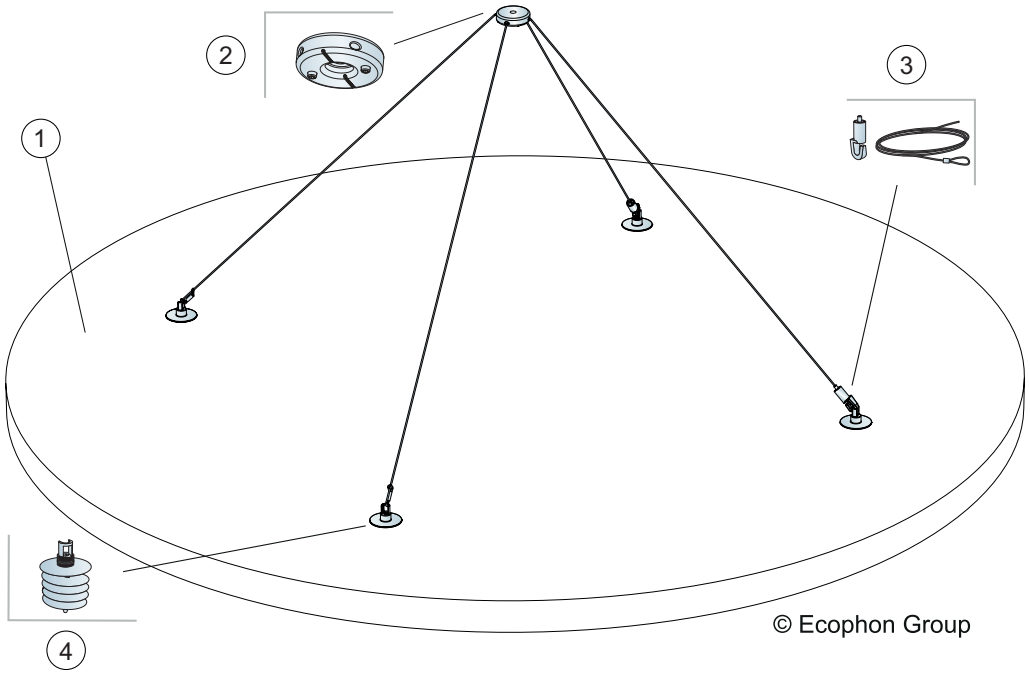


Panels can be installed in angles up to 60°



Installation of Connect Covering cup

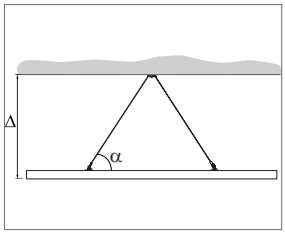
INSTALLATION DIAGRAM (M358) FOR ECOPHON SOLO CIRCLE



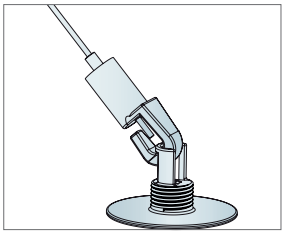
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x1200
1	Solo Circle	1,13m²/panel
2	Connect One-point fixing	1/panel
3	Connect Adjustable wire hanger	2/panel
4	Connect Absorber anchor	4/panel

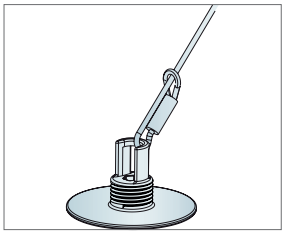
Δ Min. overall depth of system: 500 mm at minimum angle α = 45°



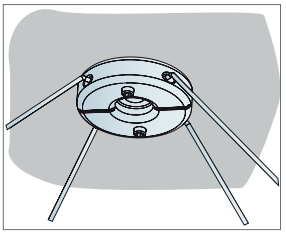
See Quantity specification



Hook from Adjustable wire hanger fixed to Absorber anchor



A loop from Adjustable wire hanger fixed to Absorber anchor



Detail of One-point fixing