

# ECOPHON SOLO™ SQUARE

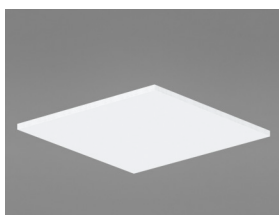
Solo Square is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



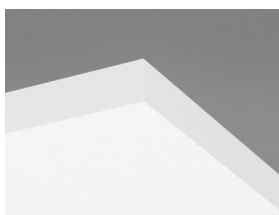
# Ecophon Solo™ Square

## SYSTEM RANGE

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



Solo Square



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor

## TYPE OF APPLICATION

- Healthcare
- Office



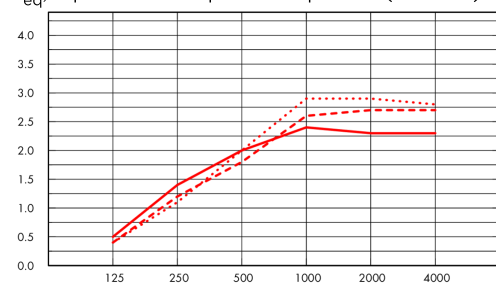
## ACOUSTIC

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 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	Standard
French VOC	A+



## CARBON FOOTPRINT

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

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



## CIRCULARITY

Minimum post-consumer recycled content	53%
Recyclability	Fully recyclable



## FIRE SAFETY

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

Country	Fire standard	Class
Europe	EN 13501-1	A2-s1,d0



## 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.



## PACKAGING INFORMATION

Information is indicative and subject to change.

	Panels / crt
1200x1200x40	4



## SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m <sup>2</sup>
Solo Square	3,5 - 4,6
Solo Freedom	3,5 - 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).

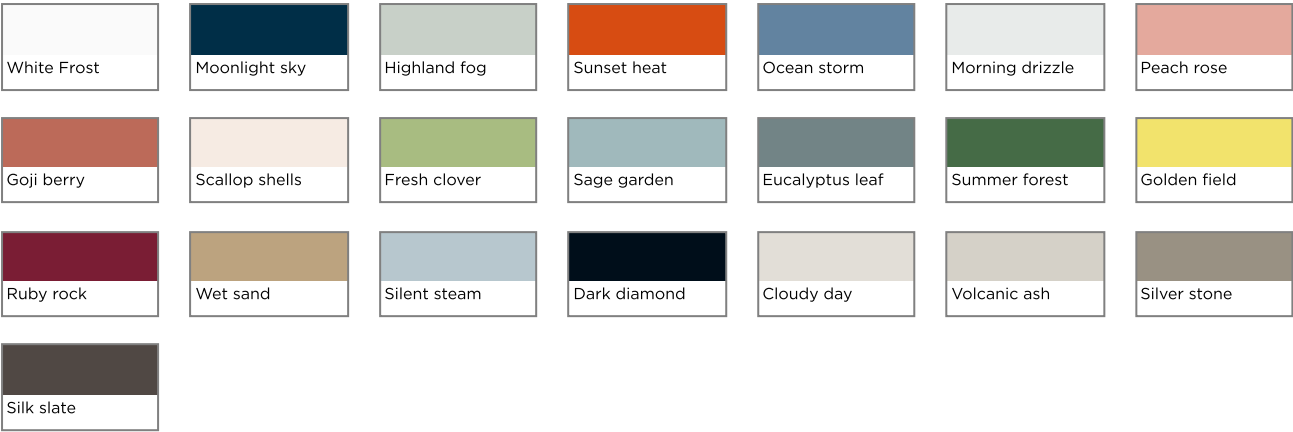


## CE

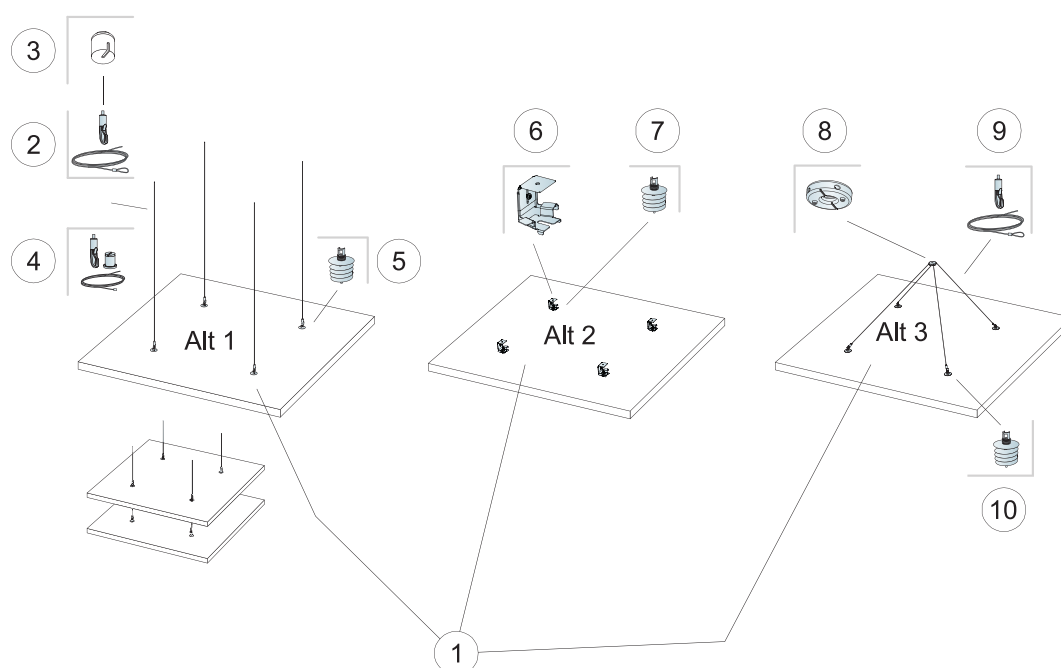
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## COLOURS AND DESIGN

Akutex™ FT



## Wire, Wire One Point, Direct

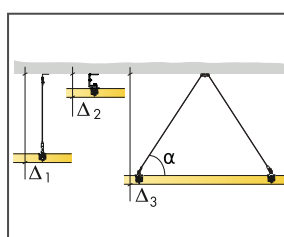


Installation diagram (M402) for Ecophon Solo Square

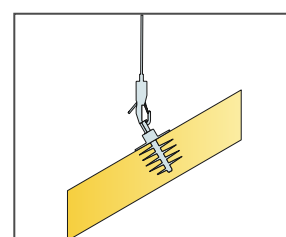
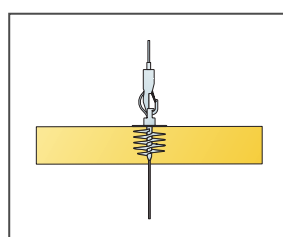
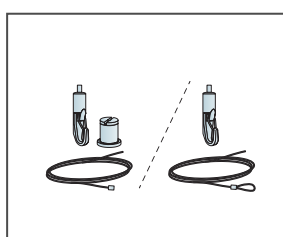
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## Quantity specification (excl. wastage)

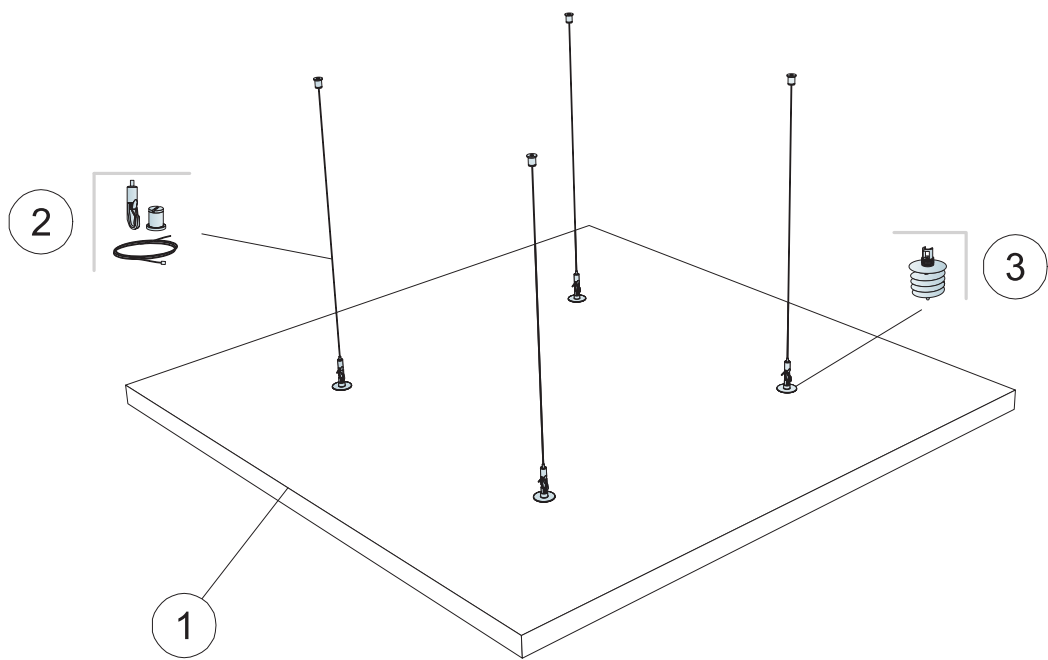
		Size, mm
		1200x1200
1	Solo Square	1,44m <sup>2</sup> /panel
<b>Mounting Option 1</b>		
2	Connect Adjustable wire hanger (Alt 1)	4/panel
3	Connect Covering cup (Optional)	4/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	4/panel
5	Connect Absorber anchor	4/panel
<b>Mounting Option 2</b>		
6	Connect Absorber bracket	4/panel
7	Connect Absorber anchor	4/panel
<b>Mounting Option 3</b>		
8	Connect One-point fixing	1/panel
9	Connect Adjustable wire hanger	2/panel
10	Connect Absorber anchor	4/panel
<b>Notes</b>		
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm / Δ3 500 mm		



See Quantity specification



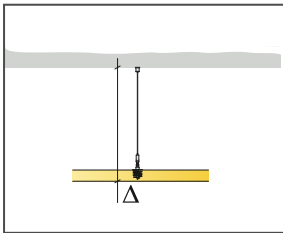
Wire (Solo Square Kit)



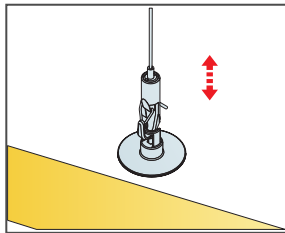
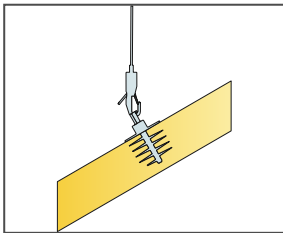
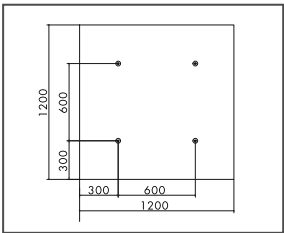
Installation diagram (M507) for Ecophon Solo Square Kit

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)	-
$\Delta$ Min. overall depth of system: $\Delta$ 140 mm		
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.		



See Quantity specification



Easily adjustable suspension with Connect Adjustable wire hanger