

# Ecophon Solo™ Square

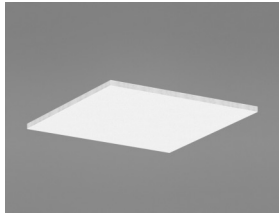
*Solo Square is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.*



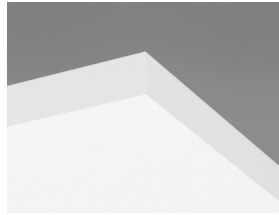
Inpol Papier, Bardo (Dolnośląskie), Poland

## SYSTEM RANGE

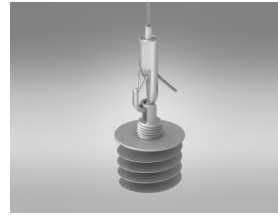
<input type="checkbox"/>	Size, mm	1200x1200
	Special	•
	Thickness (THK)	40
	Inst. Diag.	M402, M507



Solo Square



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Absorber bracket and Connect Absorber anchor



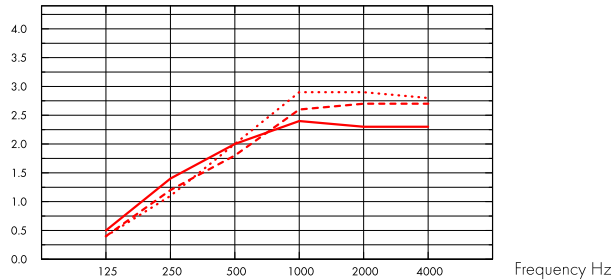
## Acoustic

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.

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	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 Family EPD in conformity with ISO 14025 / EN 15804)
Solo Square/Plant	5,21 (Solo Square /Plant EPD in conformity with ISO 14025 / EN 15804)



## Circularity

Minimum post-consumer recycled content	57%
Recyclability	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

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

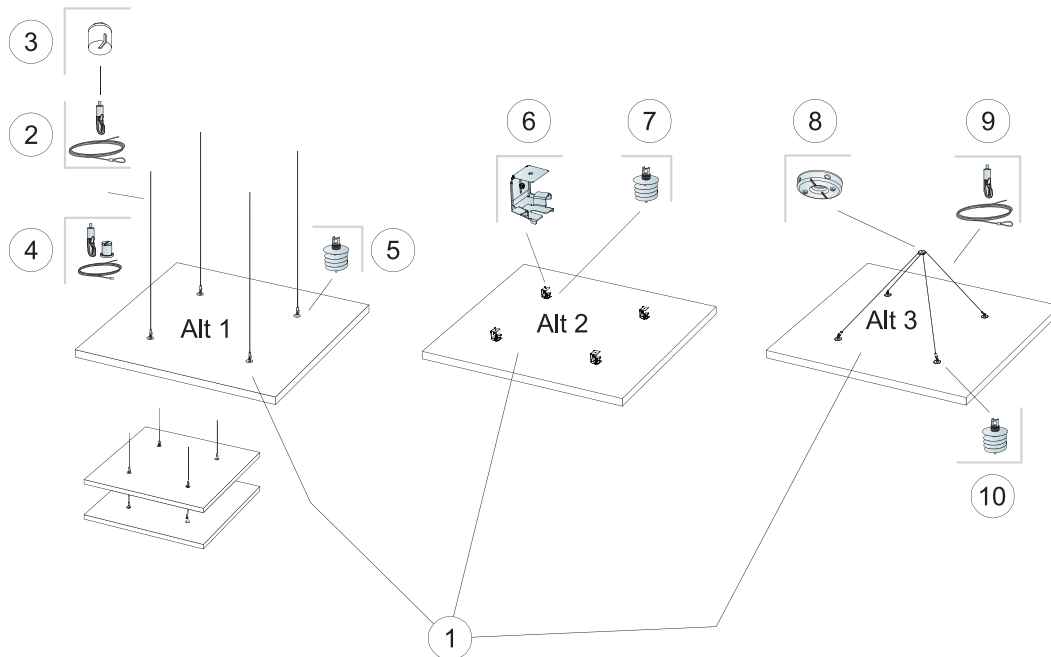
The tile can take both point loads and distributed loads. See Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).



### CE

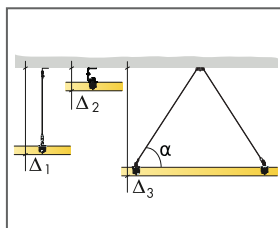
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## INSTALLATION DIAGRAM (M402) FOR ECOPHON SOLO SQUARE

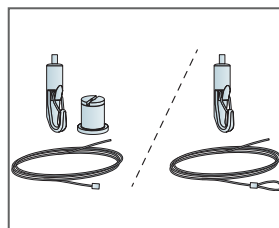


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

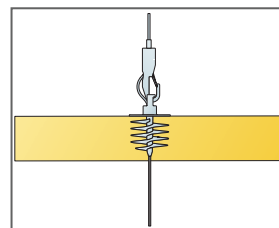
		Size, mm
		1200x1200
1	Solo Square	1,44m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	4/panel
3	Connect Covering cup (Alt 1, Optional)	4/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	4/panel
5	Connect Absorber anchor (Alt 1)	4/panel
6	Connect Absorber bracket (Alt 2)	4/panel
7	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
$\Delta$ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 90 mm / $\Delta 3$ 500 mm		-



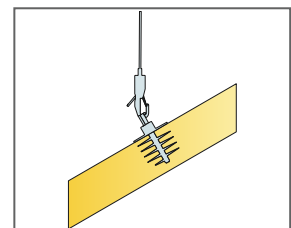
See Quantity specification



Two types of Adjustable wire solutions

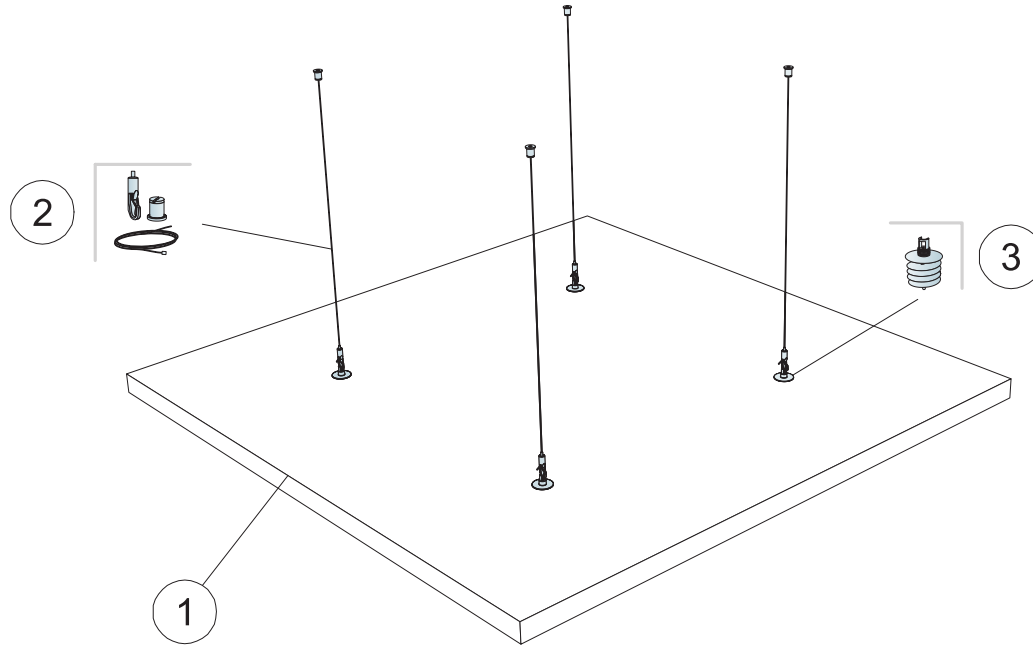


Panels can be suspended underneath each other



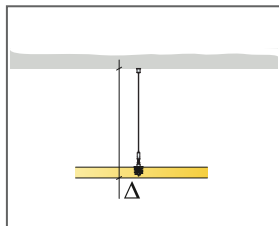
Panels can be installed in angles

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

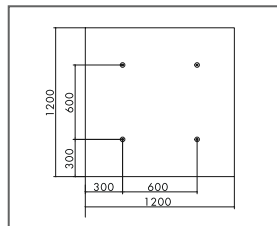


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

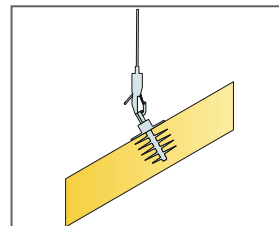
		Size, mm
		<b>1200x1200</b>
1		1,44m <sup>2</sup> /panel
2	Connect Adjustable wire kit (included)	-
3	Connect Absorber anchor (included)	-
	Δ Min. overall depth of system: Δ 140 mm	-
	To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.	-



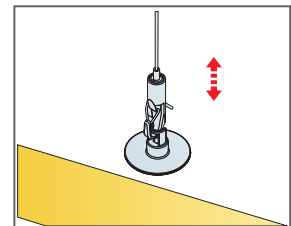
See Quantity specification



Suspension with absorber anchor, format 1200 x 1200



Panels can be installed in angles



Easily adjustable suspension with Connect Adjustable wire hanger