

# Ecophon Solo™ Rectangle

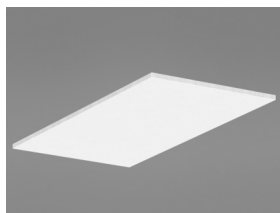
Solo Rectangle is a free hanging unit, offering high level design possibilities. Three different suspension systems offer opportunities to create several layers and angles. Suitable when the room volume should be maintained or when it's not possible to install a wall-to-wall ceiling.



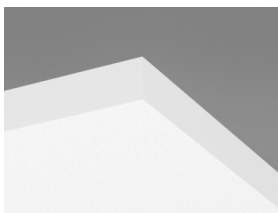
M30 Achlieeden, Oisterwijk, Netherlands

## SYSTEM RANGE

	Size, mm	1200x600	1800x1200	2400x600	2400x1200	3000x1200
	Special Fixing	•	•	•	•	•
	Thickness	40	40	40	40	40
	Inst. Diag.	M637	M404, M506	M405	M406, M407, M506	M408



Solo Rectangle



Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



Suspension with Connect Adjustable wire hanger and Connect Absorber anchor



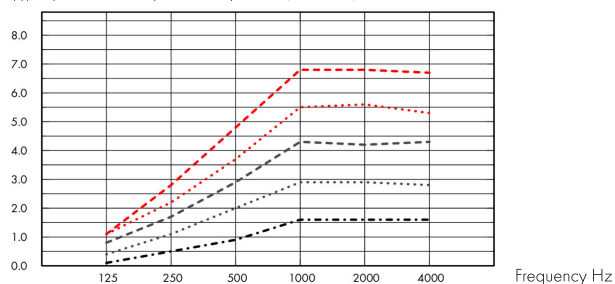
## Acoustic

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 Rectangle 2400x1200, 1000 mm o.d.s.
  - Solo Rectangle 1800x1200, 1000 mm o.d.s.
  - ..... Solo Rectangle 2400x600, 1000 mm o.d.s.
  - Solo Rectangle 3000x1200, 1000 mm o.d.s.
  - · - Solo Rectangle 1200x600, 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
2400x1200	40	200	1.3	2.8	3.5	4.1	4.1	3.9
2400x1200	40	400	1.2	2.4	3.3	4.7	4.9	4.7
2400x1200	40	1000	1.1	2.2	3.7	5.5	5.6	5.3
1800x1200	40	200	0.6	2.0	2.9	3.4	3.3	3.1
1800x1200	40	400	0.8	1.9	2.6	3.7	3.7	3.6
1800x1200	40	1000	0.8	1.7	2.9	4.3	4.2	4.3
2400x600	40	200	0.5	1.4	2.0	2.4	2.3	2.3
2400x600	40	400	0.4	1.2	1.8	2.6	2.7	2.7
2400x600	40	1000	0.4	1.1	2.0	2.9	2.9	2.8
3000x1200	40	200	1.1	3.3	4.4	5.1	5.1	5.0
3000x1200	40	400	1.2	3.0	4.2	5.8	5.8	5.7
3000x1200	40	1000	1.1	2.8	4.8	6.8	6.8	6.7
1200x600	40	200	0.1	0.7	1.0	1.3	1.3	1.4
1200x600	40	400	0.2	0.5	0.9	1.4	1.5	1.6
1200x600	40	1000	0.1	0.5	0.9	1.6	1.6	1.6



## Indoor Air Quality

Certificate / Label

Eurofins Indoor Air Comfort®

French VOC

IAC Gold

A+





## 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>		Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804
Solo Rectangle	9,12	



### Circularity

Minimum post-consumer recycled content	57%
Recyclability	Fully recyclable



### Fire safety

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



### System weight

kg/m <sup>2</sup>		Weight information is indicative and subject to variation.
Solo Rectangle	4,7	



### **Mechanical properties**

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

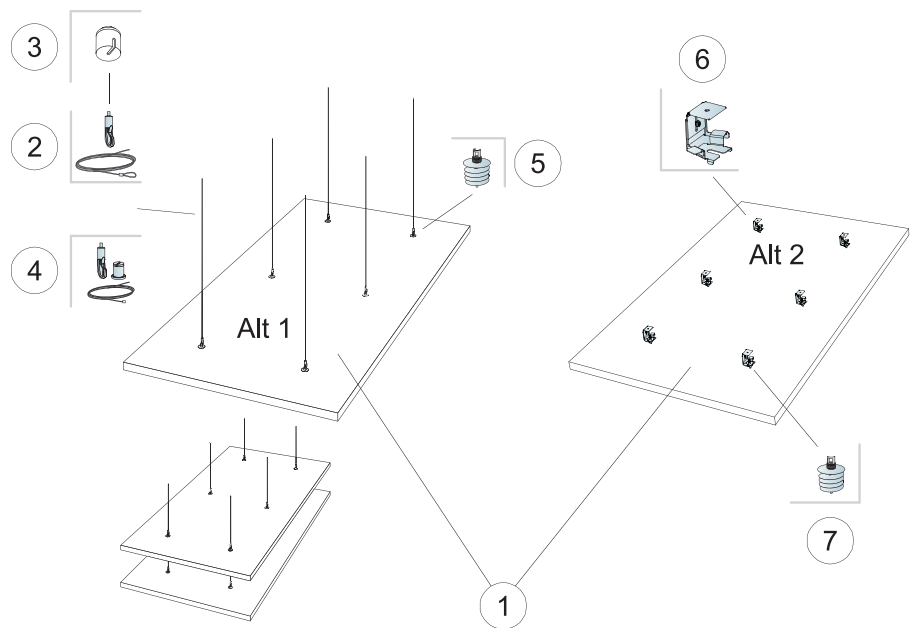


### **CE**

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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.

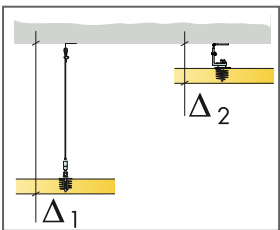
INSTALLATION DIAGRAM (M404) FOR ECOPHON SOLO RECTANGLE 1800X1200



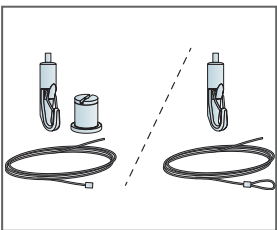
© Saint-Gobain Ecophon AB

QUANTITY SPECIFICATION (EXCL. WASTAGE)

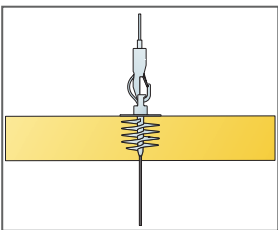
		Size, mm
		1800x1200
1	Solo Rectangle	2,16m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	6/panel
3	Connect Covering cup (Alt 1, Optional)	6/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	6/panel
5	Connect Absorber anchor (Alt 1)	6/panel
6	Connect Absorber bracket (Alt 2)	6/panel
7	Connect Absorber anchor (Alt 2)	6/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm		-



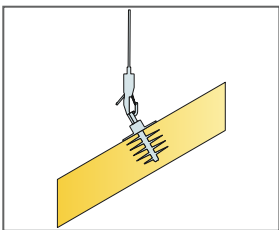
See Quantity specification



Two types of Adjustable wire solutions

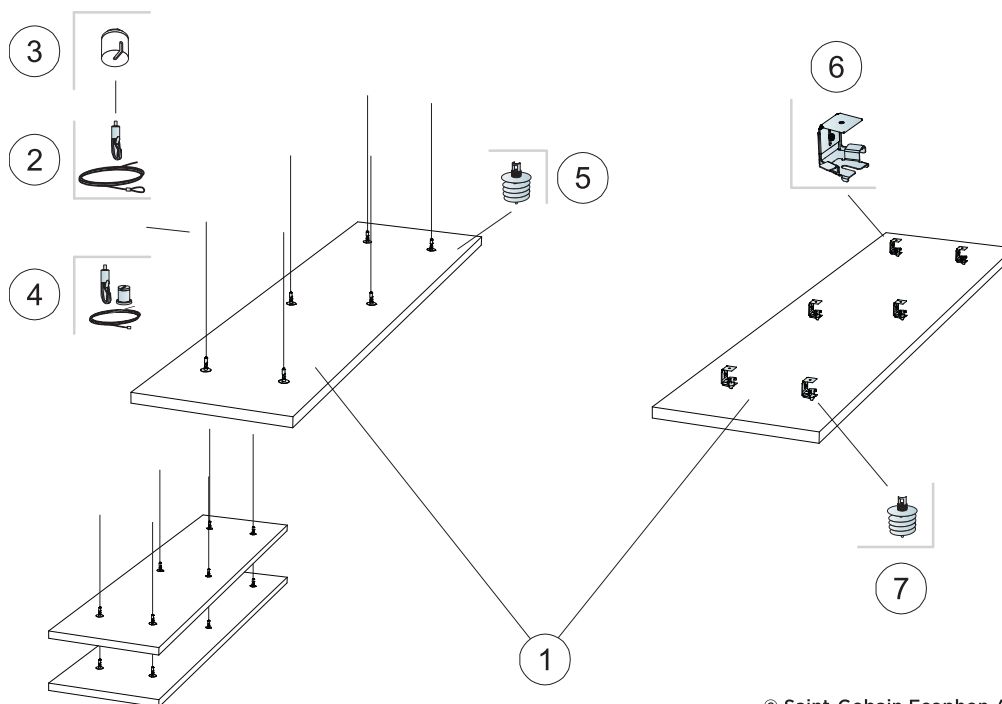


Panels can be suspended underneath each other



Panels can be installed in angles

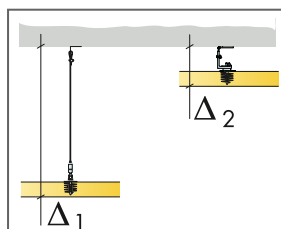
INSTALLATION DIAGRAM (M405) FOR ECOPHON SOLO RECTANGLE 2400X600



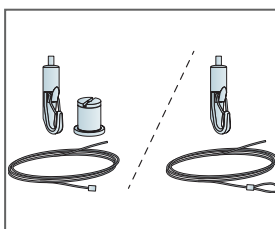
© Saint-Gobain Ecophon AB

QUANTITY SPECIFICATION (EXCL. WASTAGE)

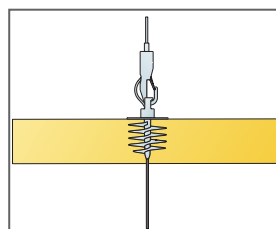
		Size, mm
		2400x600
1	Solo Rectangle	1,44m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	6/panel
3	Connect Covering cup (Alt 1, Optional)	6/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	6/panel
5	Connect Absorber anchor (Alt 1)	6/panel
6	Connect Absorber bracket (Alt 2)	6/panel
7	Connect Absorber anchor (Alt 2)	6/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 90 mm		-



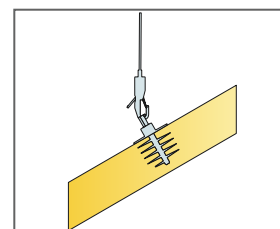
See Quantity specification



Two types of Adjustable wire solutions

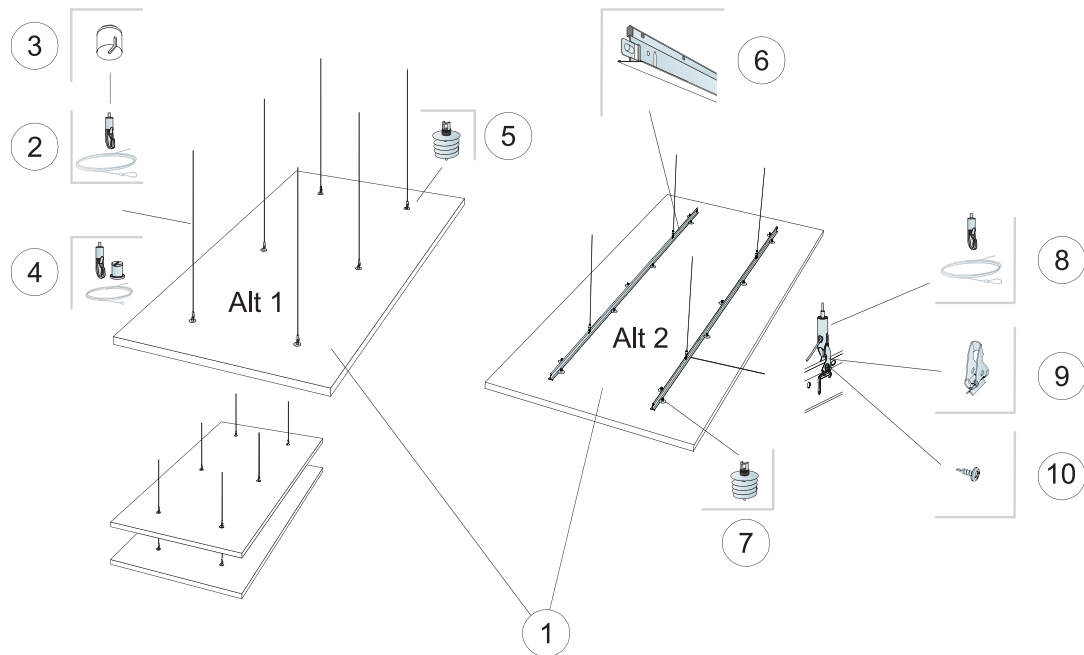


Panels can be suspended underneath each other



Panels can be installed in angles

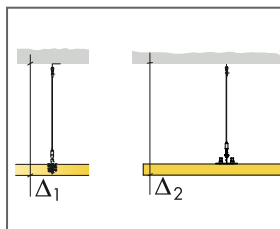
INSTALLATION DIAGRAM (M406) FOR ECOPHON SOLO RECTANGLE 2400X1200



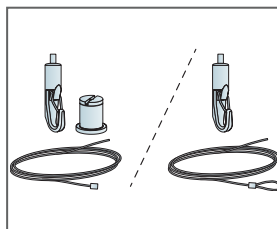
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

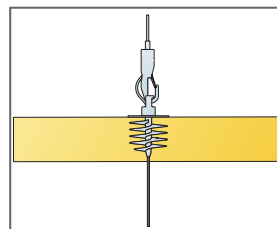
		Size, mm
		2400x1200
1	Solo Rectangle	2,88m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	6/panel
3	Connect Covering cup (Alt 1, Optional)	6/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	6/panel
5	Connect Absorber anchor (Alt 1)	6/panel
6	Connect T24 Main runner C3	2/panel
7	Connect Absorber anchor	14/panel
8	Connect Adjustable wire hanger	4/panel
9	Connect Adjustable wire hanger	4/panel
10	Connect Installation screw BR	4/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 200 mm		-



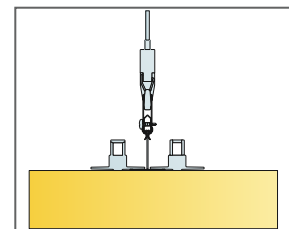
See Quantity specification



Two types of Adjustable wire solutions

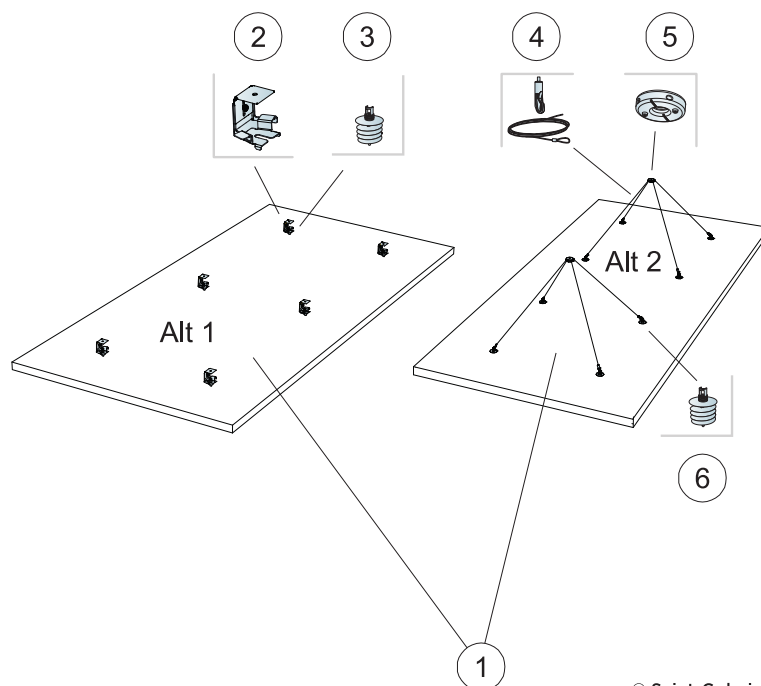


Panels can be suspended underneath each other



Panels can be suspended underneath each other

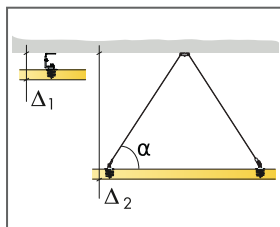
INSTALLATION DIAGRAM (M407) FOR ECOPHON SOLO RECTANGLE 2400X1200



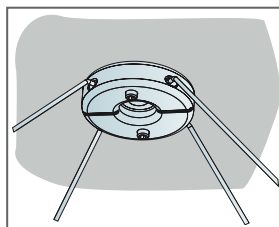
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

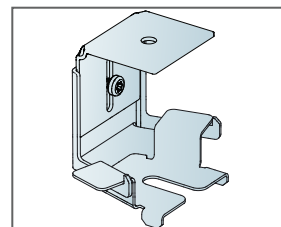
		Size, mm
		2400x1200
1	Solo Rectangle	2,88m <sup>2</sup> /panel
2	Connect Absorber bracket (Alt 3)	6/panel
3	Connect Absorber anchor (Alt 3)	6/panel
4	Connect Adjustable wire hanger (Alt 2)	4/panel
5	Connect One-point fixing (Alt 2)	2/panel
6	Connect Absorber anchor (Alt 2)	8/panel
$\Delta$ Min. overall depth of system: $\Delta 1$ 140 mm / $\Delta 2$ 500 mm / $\Delta 3$ 121 mm		-



See Quantity specification

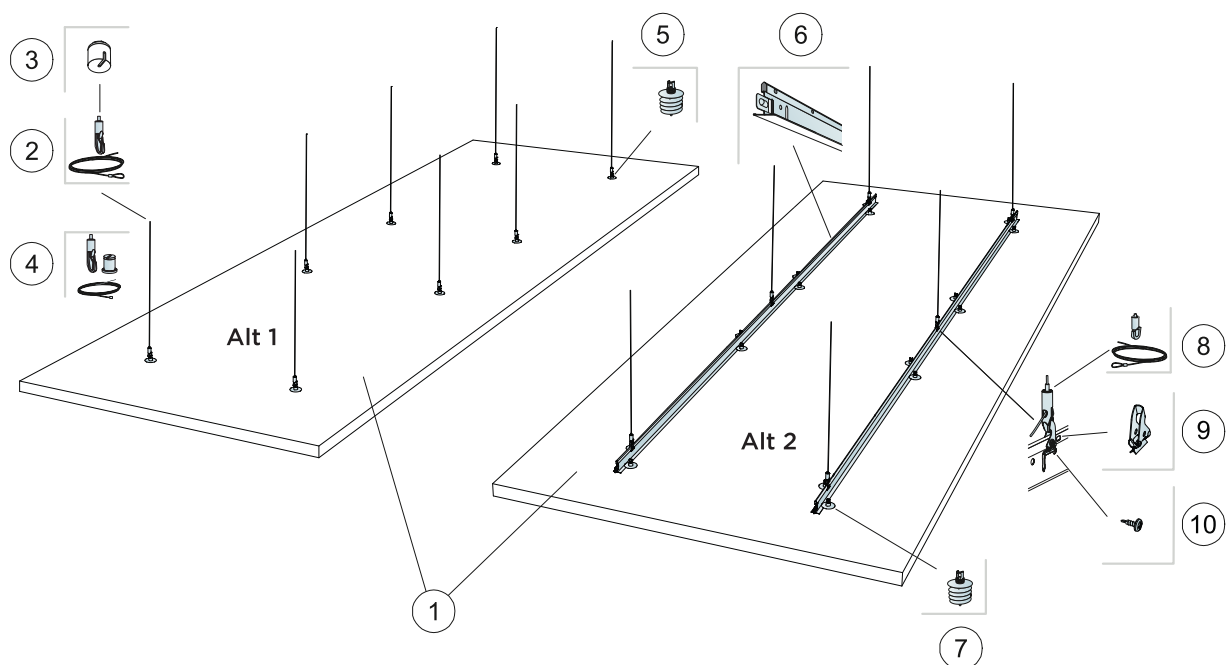


Detail of One-point fixing





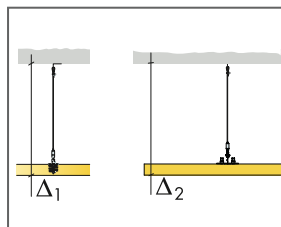
INSTALLATION DIAGRAM (M408) FOR ECOPHON SOLO RECTANGLE 3000X1200



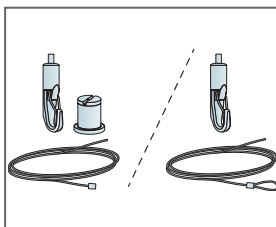
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

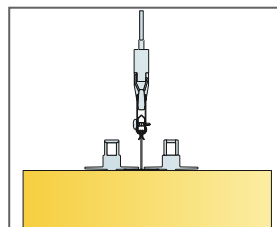
		Size, mm
		3000x1200
1	Solo Rectangle	3,6m <sup>2</sup> /panel
2	Connect Adjustable wire hanger (Alt 1)	8/panel
3	Connect Covering cup (Alt 1, Optional)	8/panel
4	Connect Adjustable wire kit (Alt 1, Optional)	8/panel
5	Connect Absorber anchor (Alt 1)	8/panel
6	Connect T24 Main runner	2/panel
7	Connect Absorber anchor (Alt 2)	16/panel
8	Connect Adjustable wire hanger (Alt 2)	6/panel
9	Connect Adjustable wire hanger	6/panel
10	Connect Installation screw BR	6/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 200 mm		-



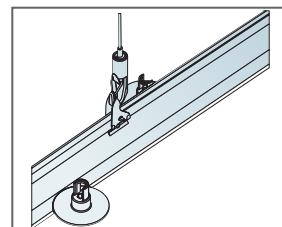
See Quantity specification



Two types of Adjustable wire solutions

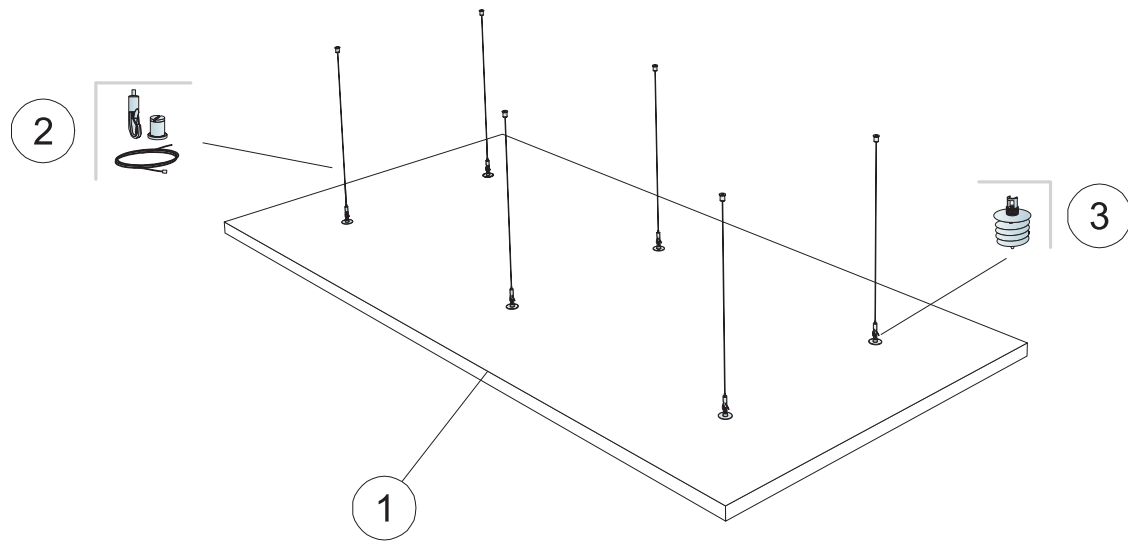


Panels can be suspended underneath each other



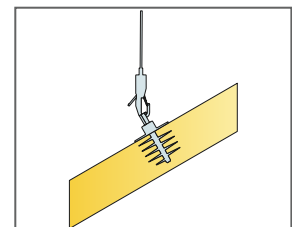
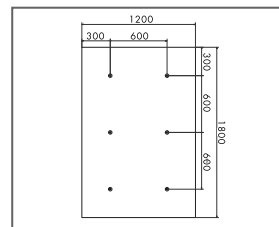
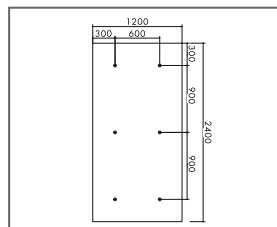
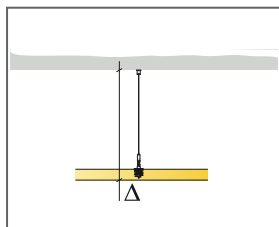
Panels can be suspended underneath each other

INSTALLATION DIAGRAM (M506) FOR ECOPHON SOLO RECTANGLE KIT



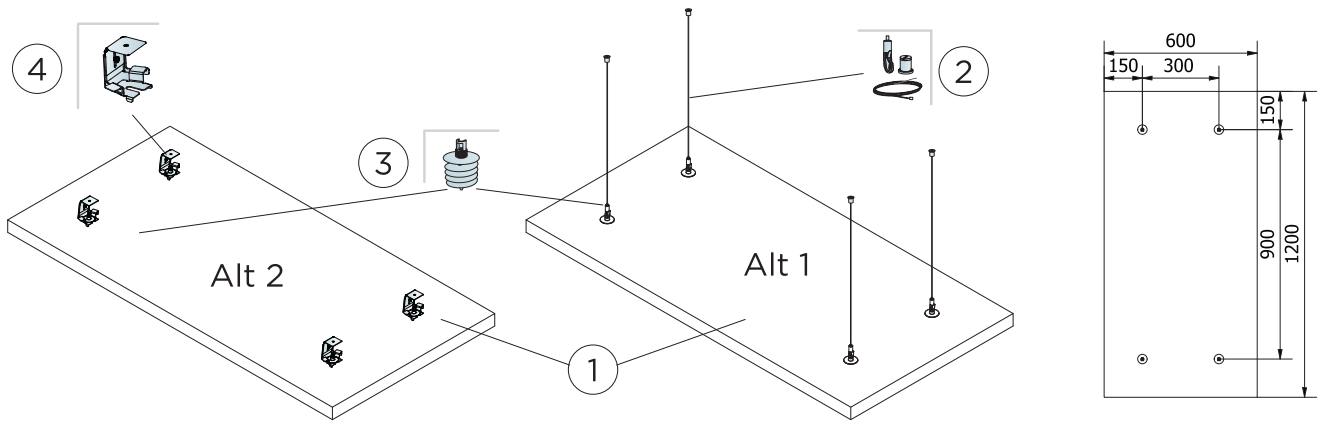
QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm	
	1800x1200	2400x1200
1 Solo Rectangle Kit	2,16m <sup>2</sup> /panel	2,88m <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.		



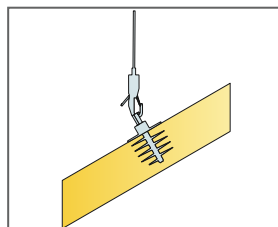
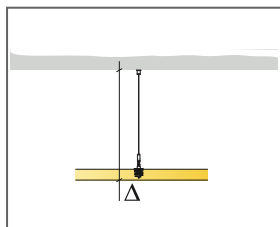
Panels can be installed in angles

INSTALLATION DIAGRAM (M637) FOR ECOPHON SOLO RECTANGLE

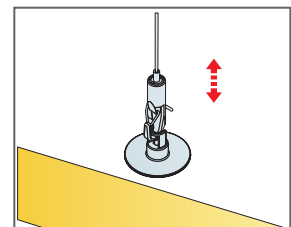


QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x600
1	Solo Rectangle	0,72m <sup>2</sup> /panel
2	Connect Adjustable wire kit (Alt 1)	4/panel
3	Connect Absorber anchor	4/panel
4	Connect Absorber bracket (Alt 2)	4/panel
Δ Min. overall depth of system: Δ 140 mm		-
To install Connect Absorber Anchor, use Connect Absorber Anchor Bit.		-



Panels can be installed in angles



Easily adjustable suspension with Connect Adjustable wire hanger