

# Ecophon Solo™ Rectangle

*Ecophon Solo™ Rectangle is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Rectangle 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™ Rectangle 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 or Adjust brackets in combination with the engineered Connect™ Absorber anchor (patent) give opportunities to create several layers and angles.*

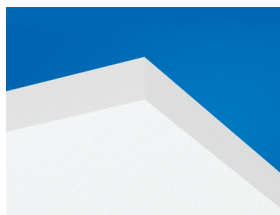
*The Solo™ Rectangle panel is available in size 2400x1200x40 mm with a weight of 11,5 kg. The panel is manufactured from high density glass wool, with Akutex™ FT surface on both sides. The edges are straight cut and painted.*



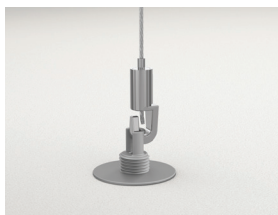
Astratum Hamburger Lloyd, Hamburg, Germany

## SYSTEM RANGE

	Size, mm	1800x1200	2400x1200
	Special Fixing	•	•
	Thickness	40	40
	Inst. Diag.	M363	M363



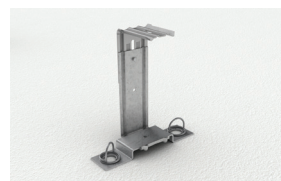
Solo panel



Suspension with Connect Adjustable wire hanger and Connect Absorber



Suspension with One-point fixing



Suspension with Connect Adjust bracket



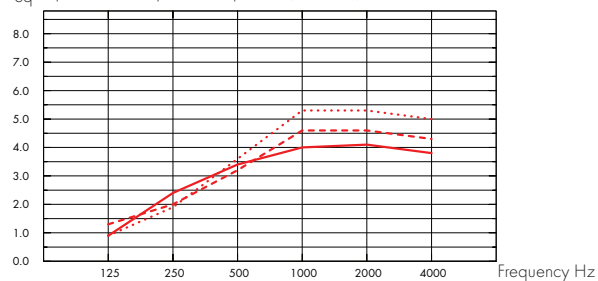
## Acoustic

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:

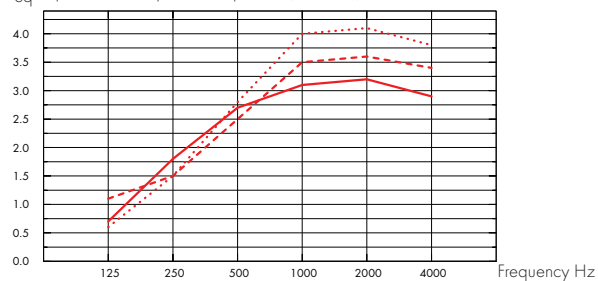
Test results according to EN ISO 354.

A<sub>eq</sub>, Equivalent absorption area per unit (m<sup>2</sup> sabin)



- Solo Rectangle 2400x1200, 200 mm o.d.s.
  - - - Solo Rectangle 2400x1200, 400 mm o.d.s.
  - . . . Solo Rectangle 2400x1200, 1000 mm o.d.s.
- o.d.s = overall depth of system

A<sub>eq</sub>, Equivalent absorption area per unit (m<sup>2</sup> sabin)



- Solo Rectangle 1800x1200, 200 mm o.d.s.
  - - - Solo Rectangle 1800x1200, 400 mm o.d.s.
  - . . . Solo Rectangle 1800x1200, 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	0.90	2.40	3.40	4.00	4.10	3.80
2400x1200	40	400	1.30	2.00	3.20	4.60	4.60	4.30
2400x1200	40	1000	0.90	1.90	3.60	5.30	5.30	5.00
1800x1200	40	200	0.70	1.80	2.70	3.10	3.20	2.90
1800x1200	40	400	1.10	1.50	2.50	3.50	3.60	3.40
1800x1200	40	1000	0.60	1.50	2.80	4.00	4.10	3.80



## 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 70% at 25°C following the test standard in EN 13964. The tiles are also available for especially demanding conditions. Please contact Ecophon for specifying your project.



## Indoor Climate

### Certificate / Label

French VOC, A+	•
Swedish Asthma and Allergy Association	•
Danish Indoor Climate Label	•
California Emission Regulation, CDPH	•
Finnish M1	•

Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.



## Environmental influence

Fully recyclable



## CO<sub>2</sub>

Kg CO <sub>2</sub> equiv/m <sup>2</sup>	7.96
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From EPD in conformity with ISO 14040



## 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.



## 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).



## Installation

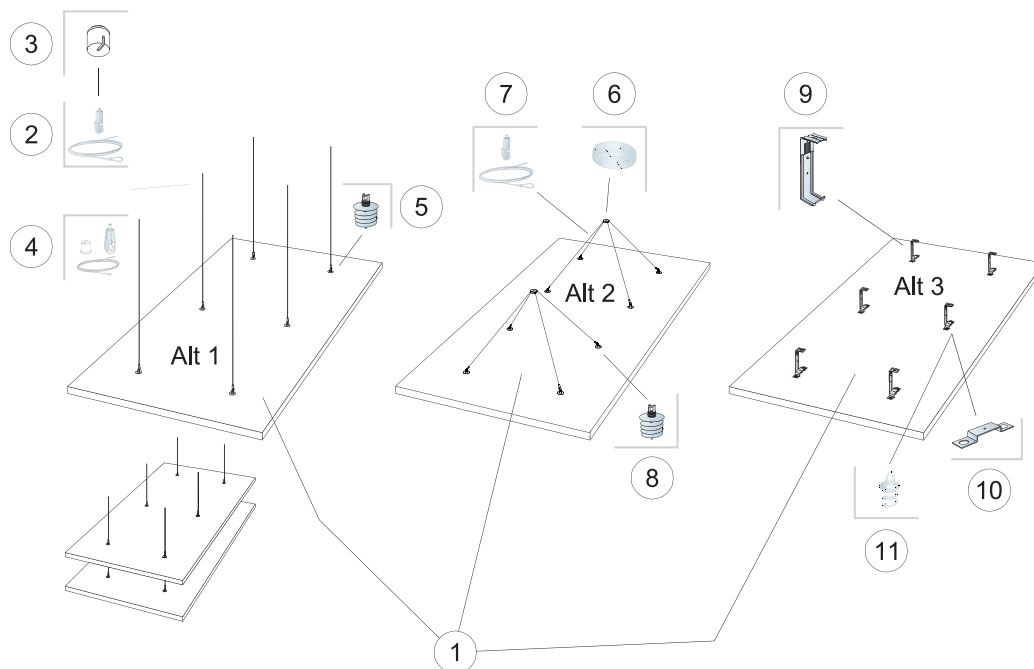
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



## CE

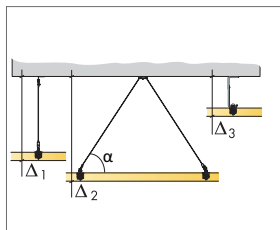
The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

## INSTALLATION DIAGRAM (M363) FOR ECOPHON SOLO RECTANGLE

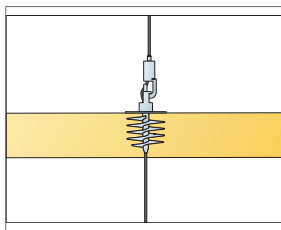


## QUANTITY SPECIFICATION (EXCL. WASTAGE)

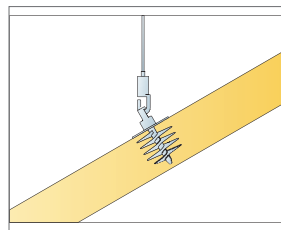
			Size, mm	
			1800x1200	2400x1200
1	Solo Rectangle		2,16m²/panel	2,88m²/panel
2	Connect Adjustable wire hanger (Alt 1)			6/panel
3	Connect Covering cup (Alt 1, Optional)		5/panel	6/panel
4	Connect Adjustable wire kit (Alt 1, Optional)			6/panel
5	Connect Absorber anchor (Alt 1)			6/panel
6	Connect One-point fixing (Alt 2)			2/panel
7	Connect Adjustable wire hanger (Alt 2)			4/panel
8	Connect Absorber anchor (Alt 2)			8/panel
9	Connect Adjust bracket (Alt 3)			6/panel
10	Connect Panel fixing plate (Alt 3)			6/panel
11	Connect Spiral anchor (Alt 3)			12pcs/panel
Δ Min. overall depth of system: Δ1 140 mm / Δ2 500 mm / Δ3 121 mm				
12	To install Connect Aborber Anchor, use Connect Absorber Anchor Bit.			



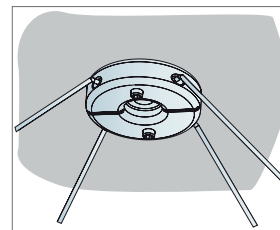
See Quantity specification



Panels can be suspended underneath each other



Panels can be installed in angles



Detail of One-point fixing