

# Ecophon Akusto™ One

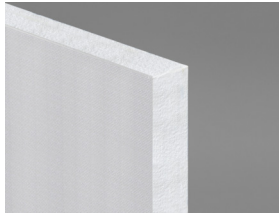
Ecophon Akusto™ One is a panel for wall applications offered in square, rectangle or circle shapes. It offers a multitude of design possibilities thanks to the many different formats and colours.



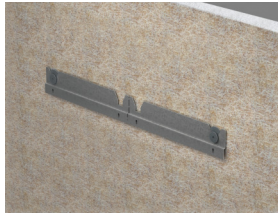
Helmingborg, Sweden

## SYSTEM RANGE

	Size, mm	Ø592	592x592	Ø792	Ø1192	1192x292	1192x592
	Special Fixing	•	•	•	•	•	•
	Thickness (THK)	40	40	40	40	40	40
	Inst. Diag.	M372	M371	M372	M372	M371	M371



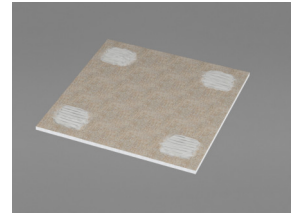
Akusto One panel



Installation with Connect™ One trim and Connect™ Absorber anchor one



Installation with Connect™ One hook fixing



Installation with Connect™ Absorber glue



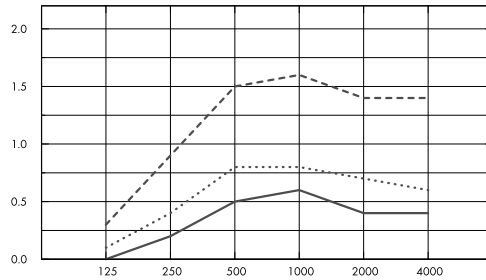
## Acoustic

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.

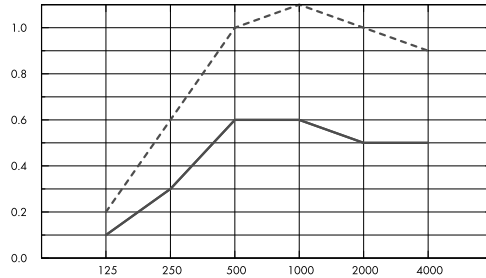
A<sub>eq</sub> Equivalent absorption area per unit (m<sup>2</sup> sabin)



- Akusto One Ø592, 48 mm o.d.s.
- .... Akusto One Ø792, 48 mm o.d.s.
- Akusto One Ø1192, 48 mm o.d.s.
- o.d.s = overall depth of system

Frequency Hz

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



- Akusto One 592x592, 48 mm o.d.s.
- .... Akusto One 1192x292, 48 mm o.d.s.
- Akusto One 1192x592, 48 mm o.d.s.
- o.d.s = overall depth of system

Frequency Hz

	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
Ø592	40	48	0.0	0.2	0.5	0.6	0.4	0.4
Ø792	40	48	0.1	0.4	0.8	0.8	0.7	0.6
Ø1192	40	48	0.3	0.9	1.5	1.6	1.4	1.4

	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
592x592	40	48	0.1	0.3	0.6	0.6	0.5	0.5
1192x292	40	48	0.1	0.3	0.6	0.6	0.5	0.5
1192x592	40	48	0.2	0.6	1.0	1.1	1.0	0.9



## Indoor Air Quality

Certificate / Label	All Products
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+
Finnish M1	•



## Cradle to Cradle Certified®



Akusto products with Akutex FT surface are Cradle to Cradle Certified® at Bronze level (version 4.0).



## Material Health

Akusto products with Akutex FT surface have 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.



## Environmental Footprint

	kg CO <sub>2</sub> equiv/m <sup>2</sup>
Akusto One - Akutex FT	7,59
Akusto One - Texona	9,42

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



## Circularity

Minimum post-consumer recycled content	61%
Recyclability	Fully recyclable



## Fire safety

Country	Fire 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

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



## Visual appearance

Akusto Wall in white has high light reflectance. Light reflectance and nearest NCS colour sample for all the different colours: See Ecophon Colours and surfaces.



## Cleanability

Daily dusting, vacuum cleaning and weekly wet wiping (Akutex FT surfaces). Weekly dusting and vacuum cleaning (Texona surfaces).



## Accessibility

The tiles are easily demountable except glued installation see quantity specification.



## 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>
Akusto One/Akutex FT	3,5
Akusto One/Texona	3,6
Akusto Freedom	3,5

Weight information is indicative and subject to variation.



## Mechanical properties

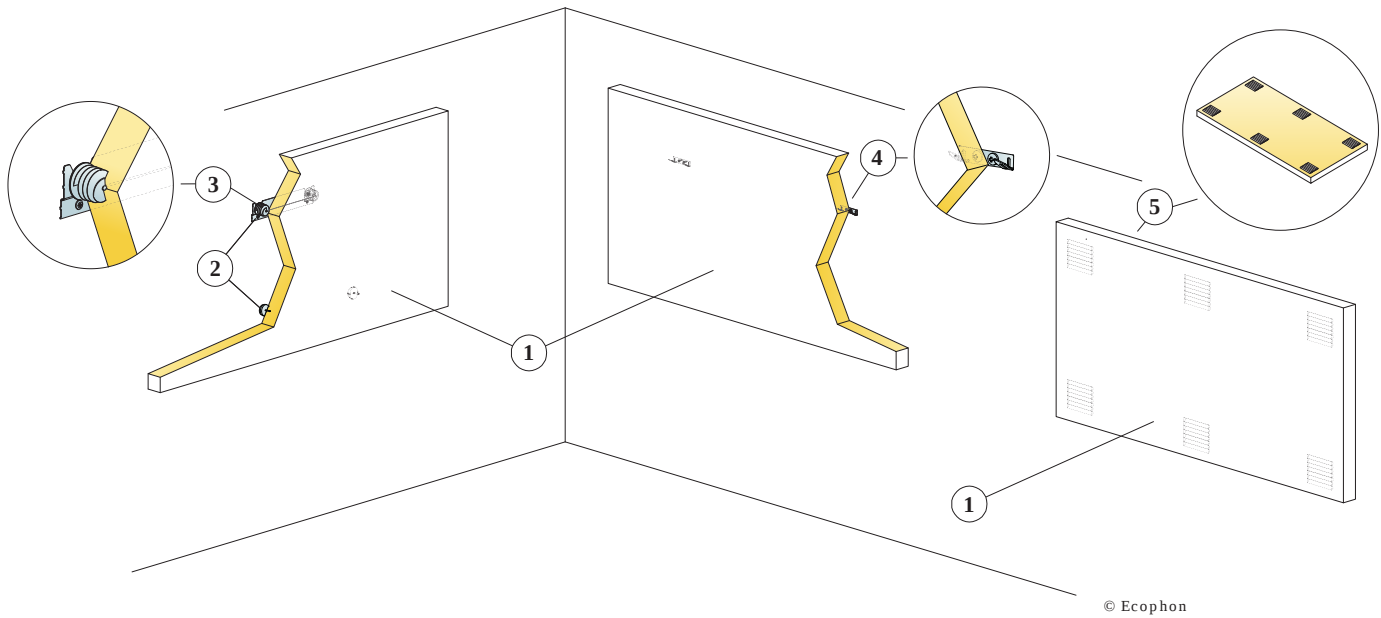
No additional live load is allowed.



## CE

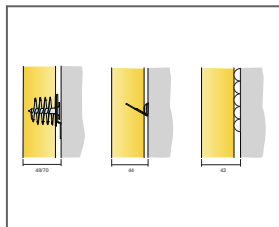
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

## INSTALLATION DIAGRAM (M371) FOR ECOPHON AKUSTO ONE

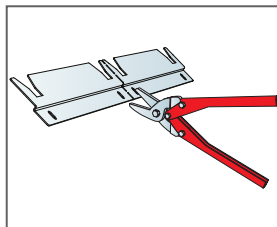


### QUANTITY SPECIFICATION (EXCL. WASTAGE)

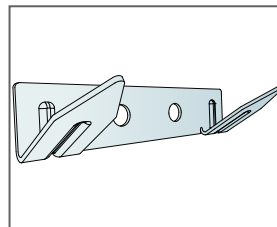
	Size, mm		
	592x592	1192x292	1192x592
1 Akusto One	2,8/m²	2,8/m²	1,4/m²
2 Alt. 1 Connect One trim (wall distance included)	0,5/panel	1/panel	1/panel
3 Alt. 1 Connect Absorber anchor one	2/panel	2/panel	2/panel
4 Alt. 2 Connect One hook fixing	2/panel	2/panel	2/panel
5 Alt. 3 Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions)	as required	as required	as required
Use Connect Notched spatula to apply the glue.	-	-	-
Δ Min. overall depth of system: Δ1 48 mm/70mm / Δ2 44 mm The system is demountable	-	-	-
Δ Min. overall depth of system: Δ3 43 mm. The system is not demountable	-	-	-



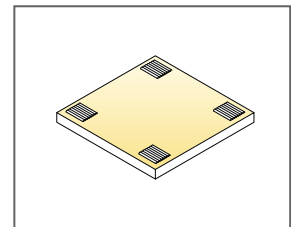
See Quantity specification



Connect One trim can be divided into two suspension trims

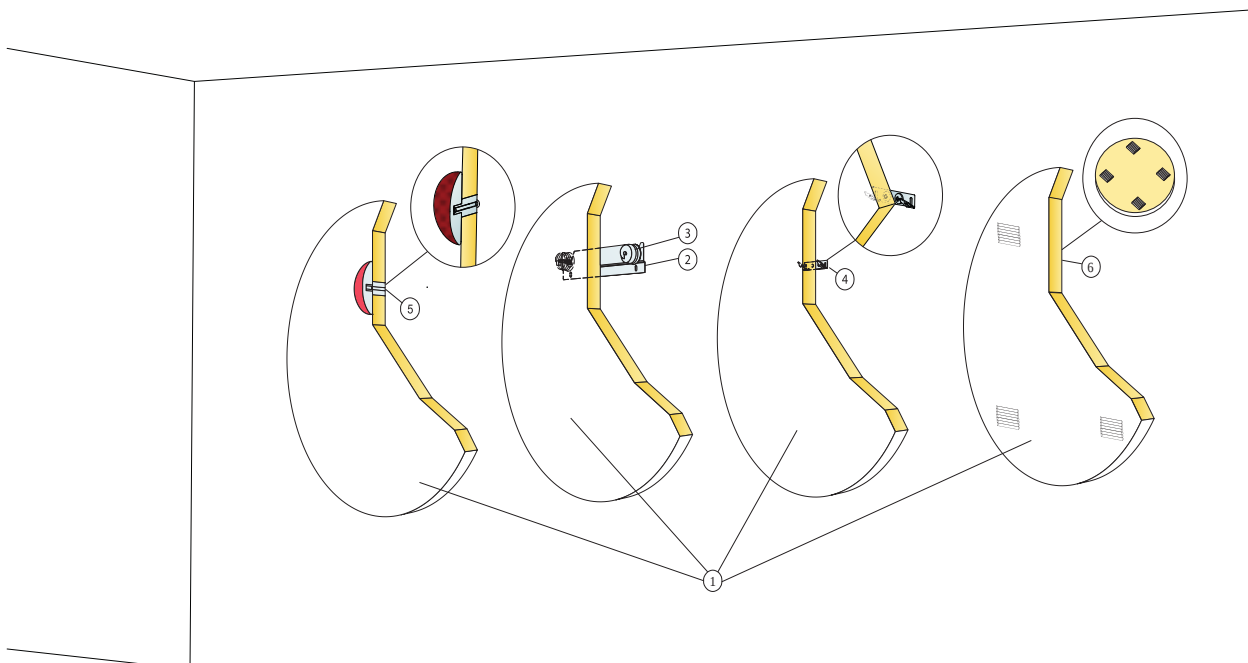


Connect One hook fixing



Application of glue

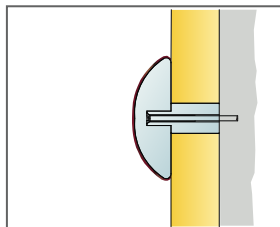
## INSTALLATION DIAGRAM (M372) FOR ECOPHON AKUSTO ONE



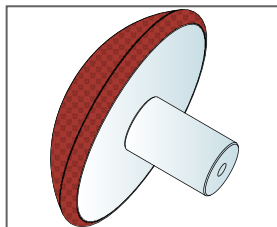
© Ecophon

## QUANTITY SPECIFICATION (EXCL. WASTAGE)

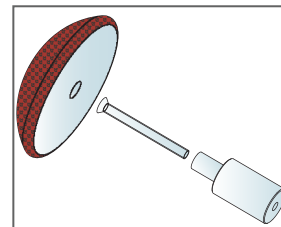
	Size, mm		
	Ø592	Ø792	Ø1192
1 Akusto One	3,5/m <sup>2</sup>	2/m <sup>2</sup>	0,9/m <sup>2</sup>
2 Alt. 1 Connect One trim (wall distance included)	0,5/panel	1/panel	1/panel
3 Alt. 1 Connect Absorber anchor one	2/panel	2/panel	2/panel
4 Alt. 2 Connect One hook fixing	2/panel	2/panel	2/panel
5 Alt. 3 Connect One fixing	1/panel	1/panel	1/panel
6 Alt. 4 Connect Absorber glue (0,25 l/m <sup>2</sup> - 0,4 l/m <sup>2</sup> depending on installation conditions)	as required	as required	as required
Use Connect Notched spatula to apply the glue.	-	-	-
Δ Min. overall depth of system: Δ1 48 mm/70mm / Δ2 44 mm / Δ3 40mm The system is demountable	-	-	-
Δ Min. overall depth of system: Δ4 43 mm. The system is not demountable	-	-	-



See Quantity specification



Connect One fixing available in 4 different colours



Installation with Connect One fixing