Ecophon Akusto™ One SQ

To increase the sound absorption in the room this system gives you the possibility to install Ecophon Akusto™ One SQ on the wall. The systems give design possibilities, working with different formats and colours to create various patterns.

Three possibilities exist to fix Akusto™ One SQ, Connect™ One trim, Connect™ One hook fixing or Connect™ One fixing. Akusto™ One SQ is available in various sizes with a weight of 2,0-4,5 kg. The panel is manufactured from high density glass wool. The visible surface has a glass fibre fabric Texona in colours and is also available with a painted surface (Akutex™ FT). The back of the panel is covered with glass tissue. The edges are straight cut and painted in white or grey.



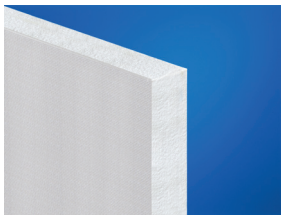
, Helsingborg, Sweden

SYSTEM RANGE

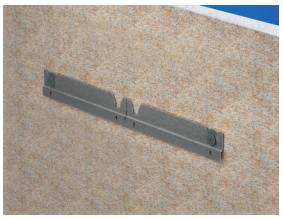


Size, mm	Ø600	600x600	Ø800	Ø1200	1200x300	1200x600
Special Fixing	•	•	•	•	•	•
Thickness (THK)	40	40	40	40	40	40
Inst. Diagr.	M372	M371	M372	M372	M371	M371

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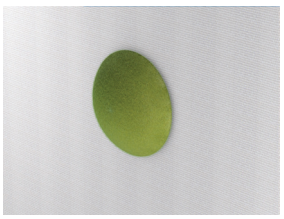
Akusto One SQ panel



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



Installation with Connect™ One hook fixing

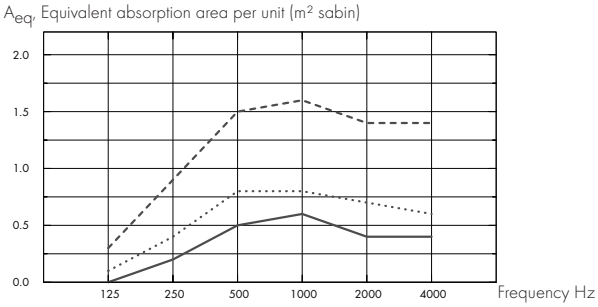


Installation with Connect™ One fixing

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.

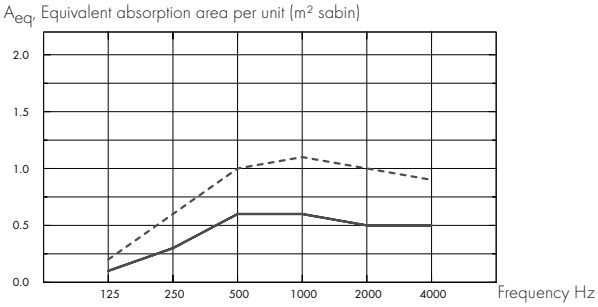


– Akusto One SQ Ø600, 48 mm o.d.s.

··· Akusto One SQ Ø800, 48 mm o.d.s.

--- Akusto One SQ Ø1200, 48 mm o.d.s.

o.d.s = overall depth of system



– Akusto One SQ 600x600, 48 mm o.d.s.

– Akusto One SQ 1200x300, 48 mm o.d.s.

--- Akusto One SQ 1200x600, 48 mm o.d.s.

o.d.s = overall depth of system

	THK mm	o.d.s. mm	A_{eq}, Equivalent absorption area per unit (m² sabin)					
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Ø600	40	48	0.00	0.20	0.50	0.60	0.40	0.40
Ø800	40	48	0.10	0.40	0.80	0.80	0.70	0.60
Ø1200	40	48	0.30	0.90	1.50	1.60	1.40	1.40
600x600	40	48	0.10	0.30	0.60	0.60	0.50	0.50
1200x300	40	48	0.10	0.30	0.60	0.60	0.50	0.50
1200x600	40	48	0.20	0.60	1.00	1.10	1.00	0.90

Accessibility

The tiles are easily demountable.

Cleanability

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

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.

Influence of climate

The tiles withstand a permanent ambient RH up to 95% at 30°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	
Finnish M1	•
French VOC, A+	•

Environmental influence

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.

Mechanical properties

No additional live load is allowed.

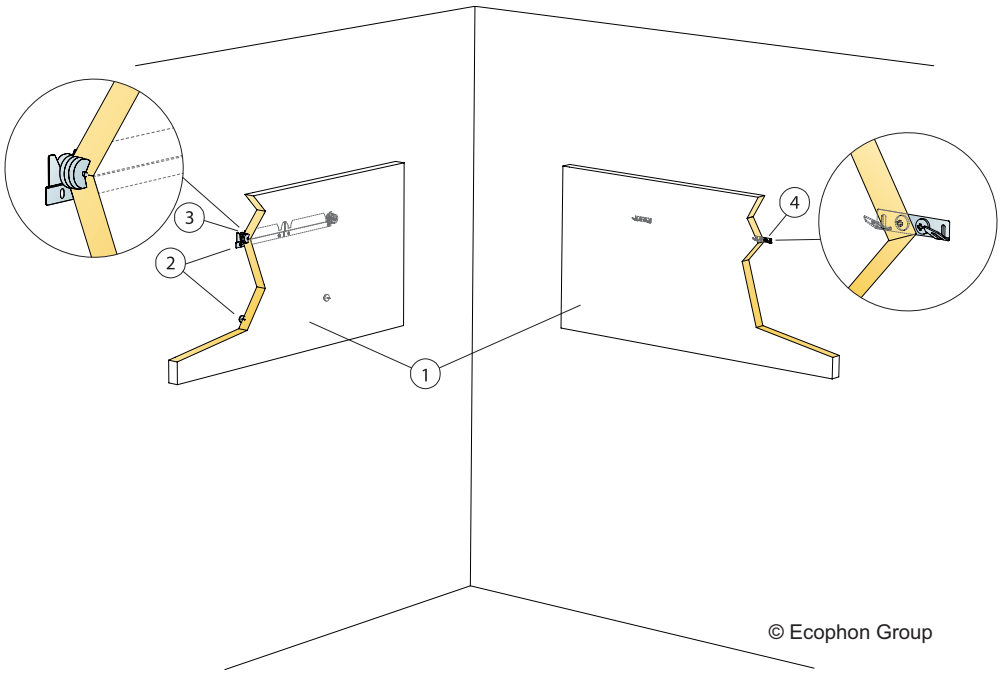
Installation

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

CE

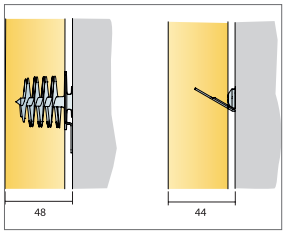
The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.

INSTALLATION DIAGRAM (M371) FOR ECOPHON AKUSTO ONE SQ

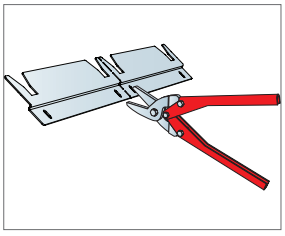


QUANTITY SPECIFICATION (EXCL. WASTAGE)

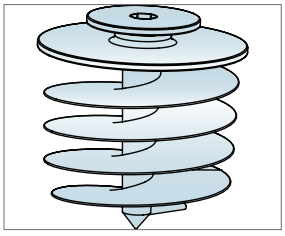
		Size, mm		
		600x600	**1200x300**	**1200x600**
1	Akusto One SQ	2,8/m²	2,8/m²	1,4/m²
2	Alt. 1 Connect One trim (wall distance included)	1/panel	1/panel	1/panel
3	Alt. 1 Connect Absorber anchor one	2/panel	2/panel	2/panel
4	Alt. 2 Connect One hook fixing	2/panel	2/panel	2/panel
	Δ Min. overall depth of system: Δ1 48 mm / Δ2 44 mm	-	-	-
	* Panel Module size 600x600 (592x592), 1200x300 (1192x292), 1200x600 (1192x592)	-		-



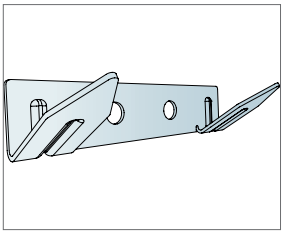
See Quantity specification



Connect One trim can be divided into two suspension trims

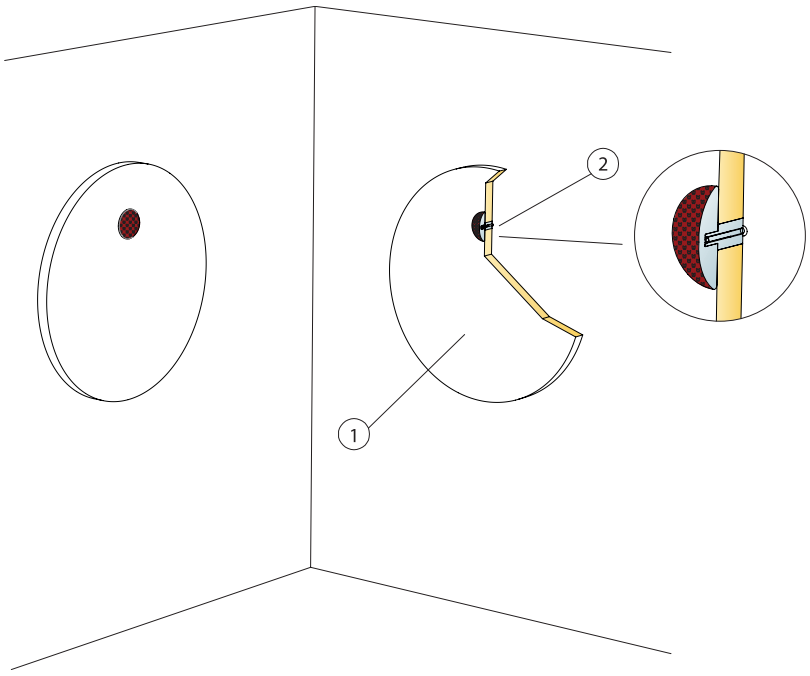


Connect Absorber anchor one used together with Connect One trim



Connect One hook fixing

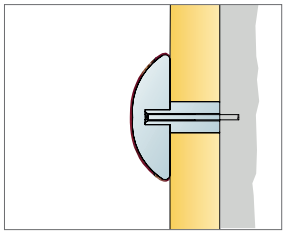
INSTALLATION DIAGRAM (M372) FOR ECOPHON AKUSTO ONE SQ



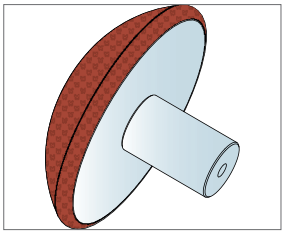
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm		
		Ø600	**Ø800**	**Ø1200**
1	Akusto One SQ	3,5/m²	2/m²	0,9/m²
2	Connect One fixing	1/panel	1/panel	1/panel
	Δ Min. overall depth of system: 40 mm	-	-	-

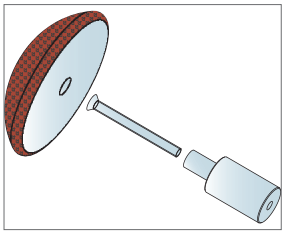
* Panel Module size 600(592), 800(792), 1200(1192)



See Quantity specification



Connect One fixing available in 4 different colours



Installation with Connect One fixing