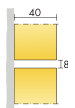# Ecophon Akusto™ Hexagon

Ecophon Akusto™ Hexagon is a hexagon shaped wall panel, offering the possibility for endless wall patterns. Mounting the panel onto a wall is easy. Use glue for quick direct fix or use Connect One Trim that has two different distance choices enabling 3-dimensional patterns.
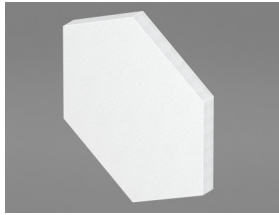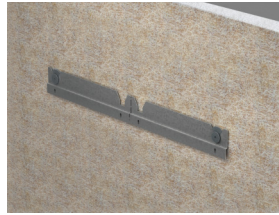

Helsingborg, Sweden

SYSTEM RANGE

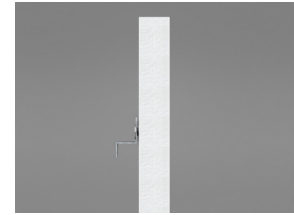| Size, mm	
	513x592
Special Fixing	•
Thickness	40
Inst. Diagr.	M586

Akusto Hexagon panel

Installation with Connect™ One trim and Connect™ Absorber Anchor One

Installation with Connect™ One hook fixing

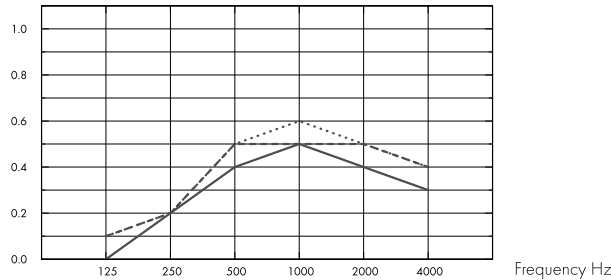Installation with Connect™ One trim, distance mm and Connect™ Absorber anchor one

Acoustic

The values in the diagram refer to a single unit.

Sound Absorption:

Based on test results according to EN ISO 354.

A_{eq}, Equivalent absorption area per unit (m² sabin)

—   Akusto Triangle, 43 mm o.d.s

---   Akusto Hexagon, 48 mm o.d.s

····   Akusto Hexagon, 70 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
40	43	0.0	0.2	0.4	0.5	0.4	0.3
40	48	0.1	0.2	0.5	0.5	0.5	0.4
40	70	0.1	0.2	0.5	0.6	0.5	0.4

Indoor Air Quality

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•

Circularity

Minimum post-consumer recycled content	60%
Recyclability	Fully recyclable

Fire safety

Country		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

Akutex FT: Daily dusting and vacuum cleaning. Weekly wet wiping. Advantage surface, weekly dusting and vacuum cleaning. For more info see colours and surfaces on www.ecophon.com/uk

Accessibility

The tiles are easily demountable.

Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces.
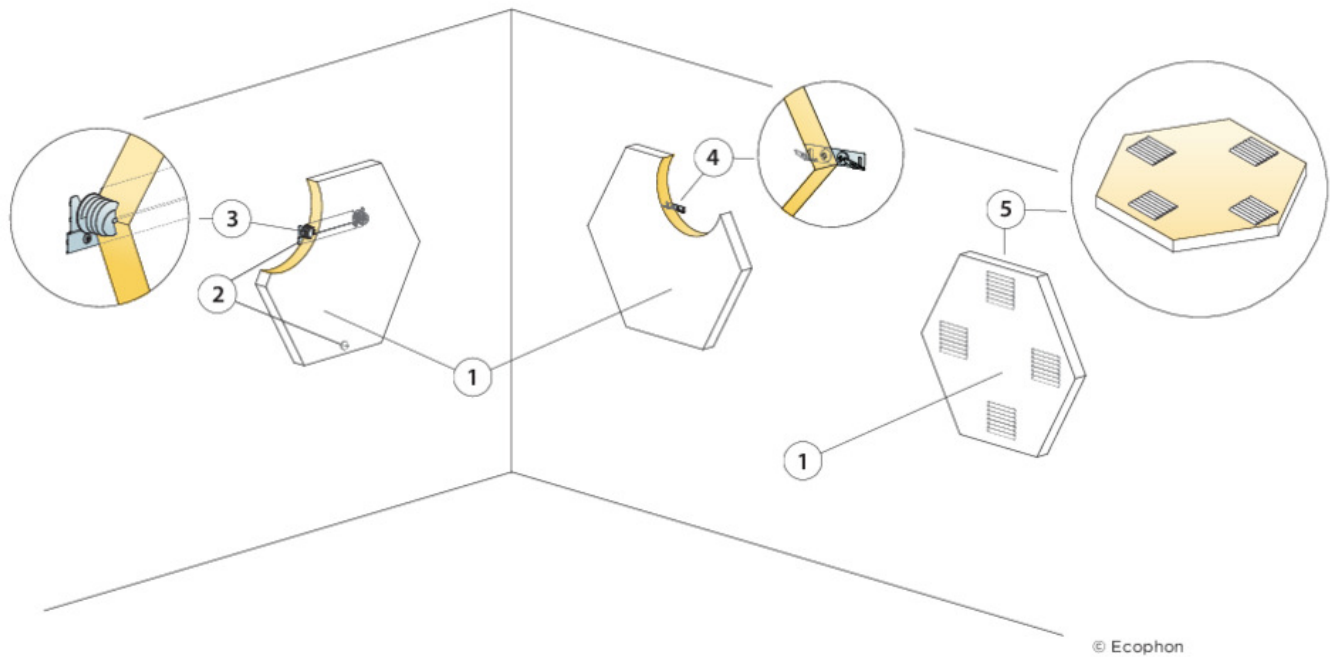
Mechanical properties

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.

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QUANTITY SPECIFICATION (EXCL. WASTAGE)

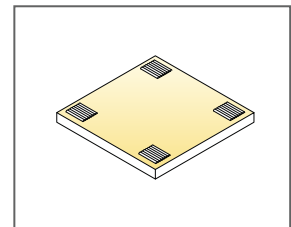|		Size, mm
		513x592
1	Akusto Hexagon	3,2/m²
2	Alt. 1 Connect One trim (wall distance included)	0,5/panel
3	Alt. 1 Connect Absorber Anchor One	2/panel
4	Alt. 2 Connect One hook fixing	2/panel
5	Alt. 3 Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions)	as required
	Use 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	-
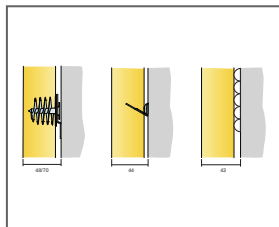
See Quantity specification
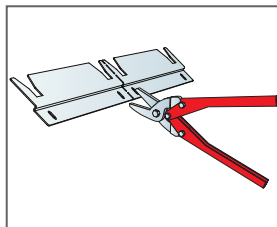
Connect One trim can be divided into two suspension trims
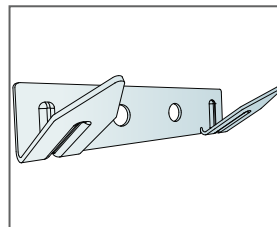
Connect One hook fixing

Application of glue