

EXPLORING
VARIETY OF
EXPRESSION

ECOPHON AKUSTO™



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04



Sound of nature

IN EVERYDAY LIFE

Saint-Gobain Ecophon contributes to good indoor environments for working, healing and learning. We do this by developing, manufacturing and delivering acoustic products and systems designed around the natural evolution of human hearing.

Having a sound effect on people, in every way we can, is what we do proudly. That promise makes every one of us a passionate advocate for the importance of room acoustics to people's wellbeing – whatever the space, activity or need.

Good acoustics

MATTER EVERYWHERE

06

The importance of acoustics is underappreciated. Sound impacts our daily lives, and the scientific support for improving our indoor sound environments is well-documented.

But, what exactly is an ideal indoor sound environment for people? We believe it to be one based on how we experience sound outside. The human auditory sense is naturally adapted to an outdoor environment where there are no sound reflections from ceilings and walls.

That's why, at Ecophon, we strive to replicate the acoustic qualities found in nature for indoor environments. We want to optimise indoor spaces so that speech and sound clarity are improving performance and wellbeing.

This usually starts with the ceiling. A wall-to-wall acoustic ceiling is the easiest way to get a large sound-absorbing surface area into a space which will result in: reduced reverberation time, increased speech clarity and overall hearing comfort.

To create an optimal sound environment, wall-mounted panels can be strategically placed to visually compliment the space. We find a holistic approach is the best way to reduce the overall sound level and sound propagation in a room, and Ecophon is here to help.







Sustainability

AS A GUIDING LIGHT

At Ecophon, sustainability is at the core of who we are and how we work. It's a promise to do better every day, in every way, for our co-workers, customers and partners in all walks of life. It's an approach to innovation that always sides with nature, and that takes its cue from the needs and environments of the people who will ultimately benefit from it. It's a commitment to take as little as possible to do more than expected, so that future generations get to experience this planet at its life-sustaining best.

We are proud that all our products are united by their sustainability-driven origins. That applies to the materials we choose, but also to everything from the clean energy we use in our production facilities to the transparency, traceability and accountability embedded in every stage of product and service development. As credible sustainability demands a holistic effort that leaves no challenge unaddressed, no opportunity unexplored and fulfills the promise that ultimately drives all of us at Ecophon – to have a sound effect on people.

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y



Minimum
53%
post-consumer recycled
content



Ecophon Akusto™

EXPLORING VARIETY OF EXPRESSION

Ecophon Akusto™ is a complement to acoustic ceilings that solves acoustic challenges and allows opportunities to follow current design and installation trends. The panel surface is available in Texona, Super G, Akutex FT and Akutex HS.

- Excellent acoustics
- Wall and screen absorbers with many installation solutions
- A vertical solution in a variety of surfaces, colours and shapes

When designing a space for optimal acoustic performance, a sound-absorbing ceiling is the first priority – but bare walls will still create echoes. Akusto panels will solve this by absorbing sound, reducing sound propagation and taking away flutter echoes. This lowers sound strength and makes speech clearer.

With Akusto, it is easy to create workplaces where people feel good and can perform at their very best.



ECOPHON AKUSTO™ PRODUCT RANGE

Akusto gives you so many ways to individualise your acoustic solution in unique and expressive configurations. Choose from a range of panel installation options.

Choose Akusto Wall C Extra Bass to get increased speech clarity due to the extra absorption feature for low frequency sounds.

Screens are ideal for strategic acoustic performance support. Akusto Screen is light and freestanding, so can be re-positioned as needed.

Akusto Wall C Akutex HS is suitable for swimming pool areas, high humidity, corrosivity and occasional direct water.

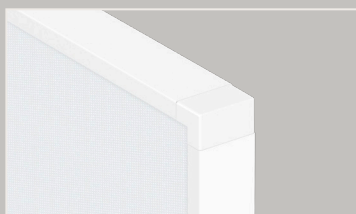
fire safety

All Akusto panels
achieve A2 S1, d0 to
EN 13501-1

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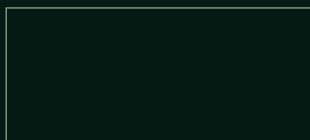
AKUSTO WALL A

2700x1200x40



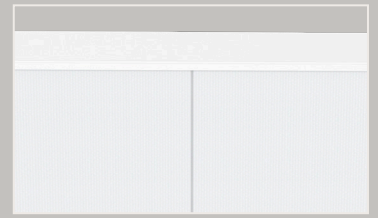
AKUSTO WALL A

Framed wall panels in a wide range of colours.



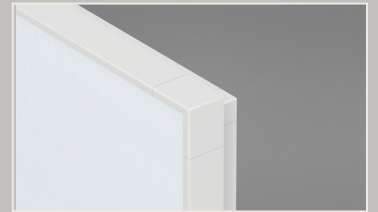
AKUSTO WALL C

2700x600x40



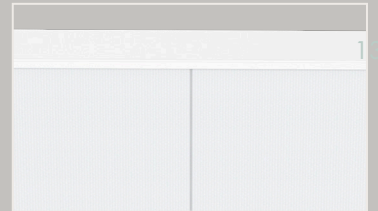
AKUSTO WALL C EXTRA BASS

2700x600x80



AKUSTO WALL C AKUTEX HS

2700x600x40



AKUSTO ONE

Ø592x40

Ø792x40

Ø1192x40

592x592x40

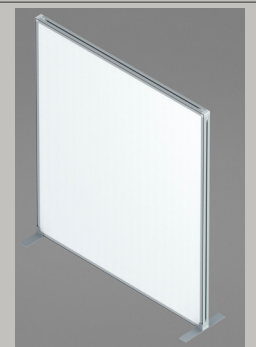
1192x292x40

1192x592x40



AKUSTO SCREEN

1500x1200x40



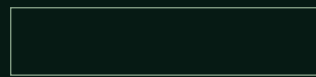


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AKUSTO WALL C

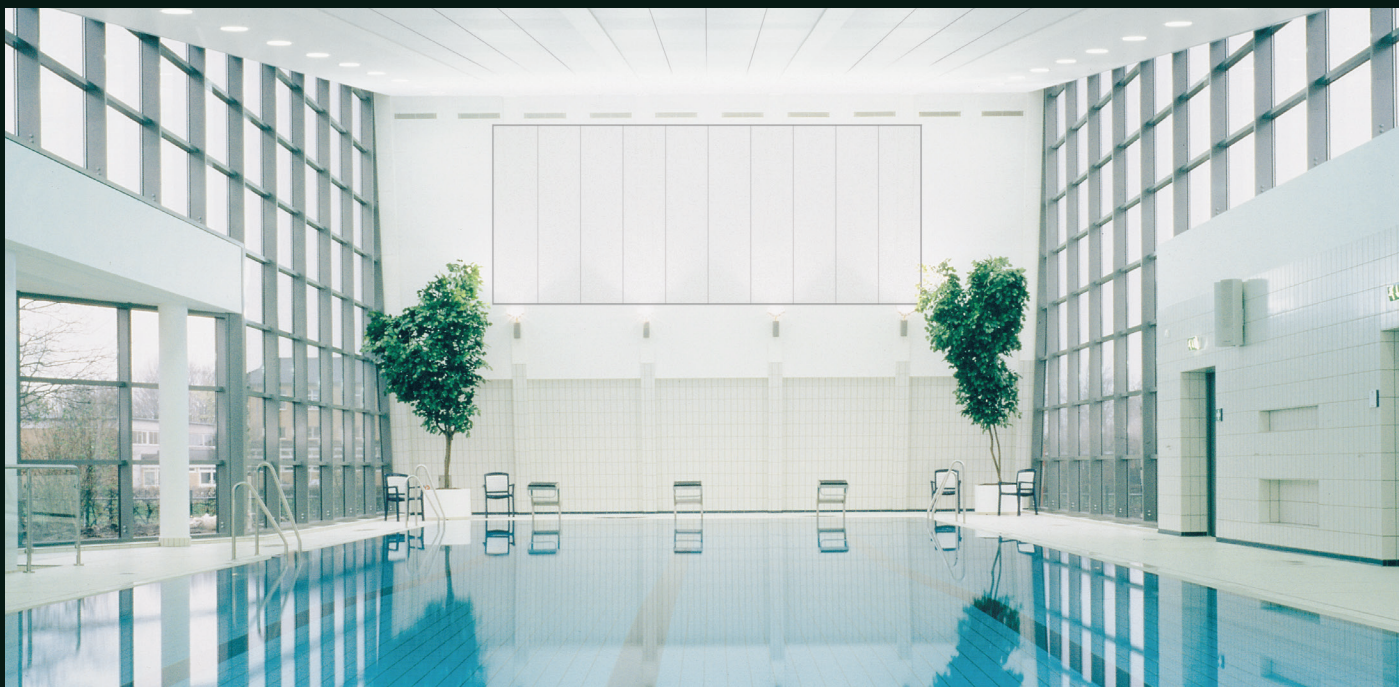
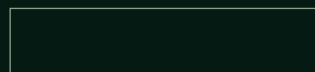
Seamless framed wall panel solutions in wide range of colours.





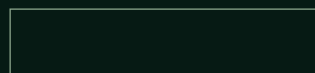
AKUSTO WALL C EXTRA BASS

Shadow framed low frequency wall panel solution in wide range of colours



AKUSTO WALL C AKUTEX HS

Concealed grid and bevelled edges suitable for swimming pools.





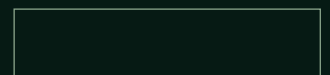
AKUSTO ONE

Easy to install frameless wall panels in many shapes and colours.



AKUSTO SCREEN

Moveable screens for good sound environment in open plan offices.
Available in a wide range of colours.



INSTALLATION METHODS

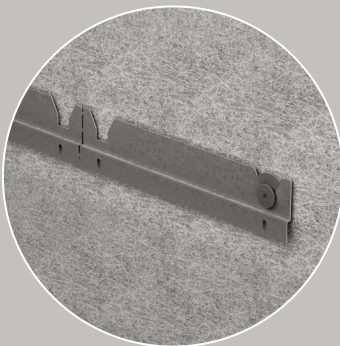
The innovative Connect™ accessories enable the wall absorbers to be mounted with a perfect fit and in many different ways. As Ecophon Akusto is designed for flexible placement, the creative ways to arrange them are almost endless.

ECOPHON E-TOOLS

Ecophon offers several useful tools and services for the different phases of the building process, from inspiration to specific maintenance instructions for your Ecophon products.

Read more and try our E-tools at www.ecophon.com/uk

ECOPHON AKUSTO™ ONE



CONNECT ONE TRIM is screwed to the wall and act as a holder for Connect Absorber Anchor One, which is screwed into the back of the panel.



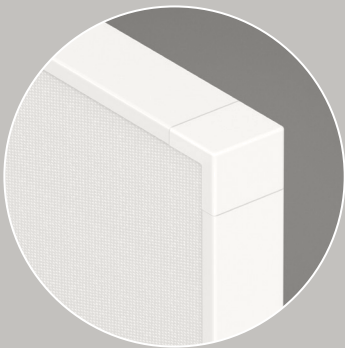
CONNECT ONE FIXING is a holder screwed to the wall. The panel is secured with a specially designed, textured button, available in several colours.



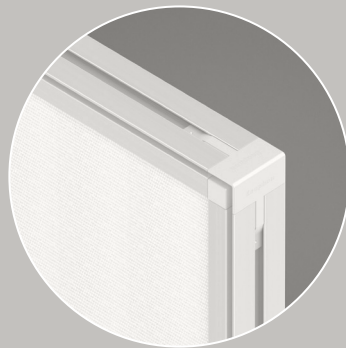
CONNECT ONE HOOK FIXING is a plate with hooks which is screwed to the wall and the panel is pressed onto the hooks.



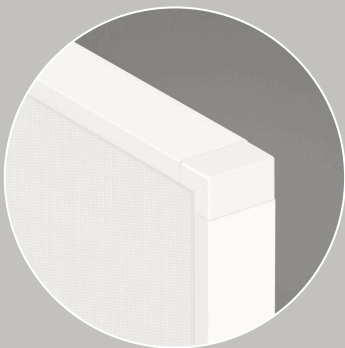
ECOPHON AKUSTO™ WALL



CONNECT THINLINE PROFILE is an elegant solution which allows you to create fields of colours and patterns both vertically and horizontally.



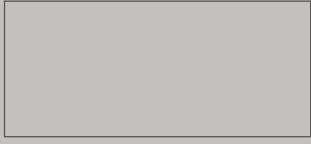

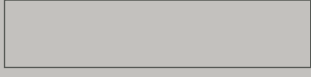


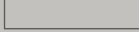
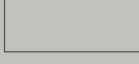

CONNECT WP PROFILE is a robust profile solution that establishes a distinct frame around the wall panel.



CONNECT CHANNEL TRIM is a simple and functional solution. It can be installed with Connect T24 Main Runners or using Connect Recessed Profile. For high impact areas use heavy duty Channel Trim.



ECOPHON AKUSTO OVERVIEW

Shape	Product	Sizes (mm)	Installation methods		
			Wall with Connect Thinline	Wall with Connect Shadow Profile	Wall with Connect WP
	Ecophon Akusto Wall A	2700x1200x40	•		
	Ecophon Akusto Wall C Extra Bass	2700x600x80		•	
	Ecophon Akusto Wall C	2700x600x40	•		•
	Ecophon Akusto Wall C Akutex HS	2700x600x40	•		
	Ecophon Akusto Screen	1500x1200x40			
	Ecophon Akusto One	592x592x40			
		1192x292x40			
		1192x592x40			
		Ø592x40 Ø792x40 Ø1192x40			

* Contact technical@ecophon.co.uk for support on this installation option

** It must be C4 Thinline used for Akusto Wall C Akutex HS



Wall with Connect Channel Trim	Wall with Connect One Trim	Wall with Connect One Hook	Wall with Connect One	Floor standing	Surface
•					Akutex FT Ecophon Texona Ecophon Super G
					Akutex FT Ecophon Texona
					Akutex FT Ecophon Texona Ecophon Super G
					Akutex HS
				•	Ecophon Texona
•	•	•			Akutex FT Ecophon Texona
•	•	•			
•	•	•			
•	•	•	•		



Ecophon Akusto panels contribute to a healthy indoor environment with superior acoustic absorption, low VOC emissions in line with the strictest requirements. The low environmental footprint of our Akusto panels is third-party verified in Environmental Product Declarations.

The products do not contribute to fire and the glass wool core of the Akusto tiles is tested and classified as non-combustible according to EN ISO 1182. Fire classification according to EN 13501-1, see Technical Properties on respective products.

NOTE

More product and system information such as installation guidance and sustainability documentation can be found at www.ecophon.com/uk



COLOURS AND SURFACES

AKUTEX™ FT

The Akutex label guarantees that the product carrying it has a superior surface technology. Our research and development will always focus on visual aspects, acoustic properties, working environment, architectural trends and environmental aspects. This ensures that Akutex is always one step ahead.



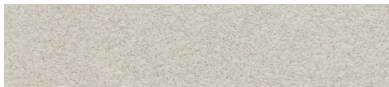
WHITE FROST
Nearest NCS colour sample S 0500-N.
Light reflectance 85%.



OCEAN STORM
Nearest NCS colour sample S 4020-R90B.
Light reflectance 24%.



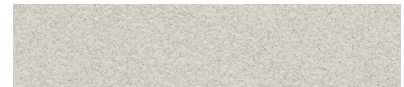
MORNING DRIZZLE
Nearest NCS colour sample S 1002-B.
Light reflectance 69%.



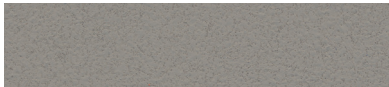
VOLCANIC ASH
Nearest NCS colour sample 2002-Y.
Light reflectance 56%.



MOONLIGHT SKY
Nearest NCS colour sample S 7020-R90B.
Light reflectance 7%.



CLOUDY DAY
Nearest NCS colour sample S 1500-N.
Light reflectance 62%.



SILVER STONE
Nearest NCS colour sample S 4502-Y.
Light reflectance 29%.



GOLDEN FIELD
Nearest NCS colour sample S 1040-G90Y.
Light reflectance 61%.



PEACH ROSE
Nearest NCS colour sample S 1515-Y80R.
Light reflectance 55%.



SILK SLATE
Nearest NCS colour sample S 7000-N.
Light reflectance 13%.



SUNSET HEAT
Nearest NCS colour sample S 2070-Y60R.
Light reflectance 20%.



HIGHLAND FOG
Nearest NCS colour sample S 2005-G.
Light reflectance 55%.



GOJI BERRY
Nearest NCS colour sample S 3030-Y80R.
Light reflectance 27%.



RUBY ROCK
Nearest NCS colour sample S 4050-R10B.
Light reflectance 7%.



SAGE GARDEN
Nearest NCS colour sample S 3010-B30G.
Light reflectance 40%.



SILENT STEAM
Nearest NCS colour sample S 2010-B.
Light reflectance 45%.



EUCALYPTUS LEAF
Nearest NCS colour sample S 5010-B30G.
Light reflectance 23%.



FRESH CLOVER
Nearest NCS colour sample S 3020-G40Y.
Light reflectance 35%.



SCALLOP SHELLS
Nearest NCS colour sample S 0804-Y50R.
Light reflectance 76%.



SUMMER FOREST
Nearest NCS colour sample S 6030-G10Y.
Light reflectance 10%.



WET SAND
Nearest NCS colour sample S 3020-Y30R.
Light reflectance 35%.



DARK DIAMOND
Nearest NCS colour sample S 9000-N.
Light reflectance 4%.

NOTE

Colours may vary slightly between different production batches.

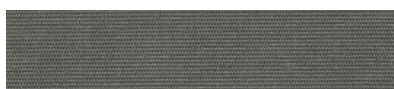
Reproduction of colours vary between print and reality.

ECOPHON TEXONA

If you want to create expressive sound absorbing wall solutions with a wide range of colours, Texona is the perfect choice. Texona has a smooth textured surface, is impact resistant and available in a variety of colours that allude to flavours.



SEA SALT
Nearest NCS colour sample S 0500-N.
Light reflectance 81%.



PEPPER
Nearest NCS colour sample S 6502-Y.
Light reflectance 17%.



GARLIC
Nearest NCS colour sample S 2502-Y.
Light reflectance 52%.



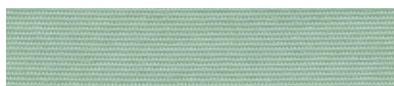
GINGER
Nearest NCS colour sample S 2005-Y30R.
Light reflectance 56%.



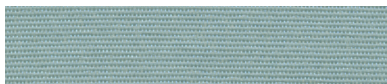
OYSTER
Nearest NCS colour sample S 4005-Y20R.
Light reflectance 32%.



SCALLOP
Nearest NCS colour sample S 1005-Y40R.
Light reflectance 67%.



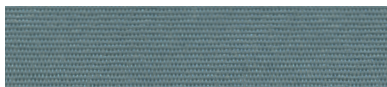
THYME
Nearest NCS colour sample S 2010-B90G.
Light reflectance 47%.



SAGE
Nearest NCS colour sample S 3010-B30G.
Light reflectance 41%.



POPPY SEED
Nearest NCS colour sample S 3020-B10G.
Light reflectance 28%.



EUCALYPTUS
Nearest NCS colour sample S 5010-B30G.
Light reflectance 23%.



ACAI
Nearest NCS colour sample S 6020-R90B.
Light reflectance 12%.



PEACH
Nearest NCS colour sample S 1515-Y80R.
Light reflectance 52%.



GOJI
Nearest NCS colour sample S 3030-Y80R.
Light reflectance 24%.



LIQUORICE
Nearest NCS colour sample S 9000-N.
Light reflectance 5%.

ECOPHON SUPER G

The Super G surface has been designed for environments where mechanical impact occurs. Super G is a glass fibre fabric with high impact resistance.



WHITE 085
Nearest NCS colour sample S 1002-Y.
Light reflectance 78%.

AKUTEX™ HS

Akutex™ HS is a painted, stain-protected surface for Hygiene applications where there are high demands for wet cleaning.



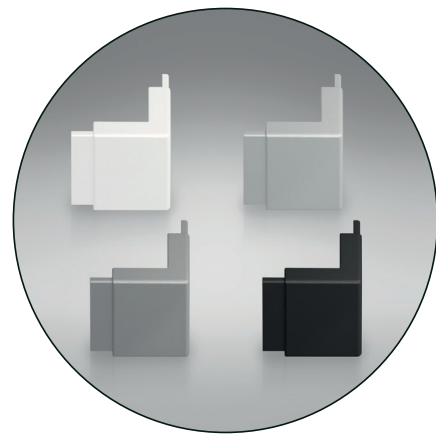
WHITE 500
Nearest NCS colour sample NCS S 0500-N.
Light reflectance 84%.

NOTE

Colours may vary between different production batches.

Reproduction of colours vary between print and reality.

COLOURS AND SURFACES



CONNECT THINLINE PROFILE



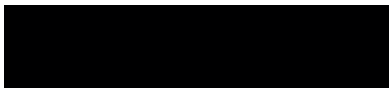
WHITE 02
Textured, S 0500-N.



GREY 03
Textured, S 1500-N.



GREY 04
Textured, S 4500-N.



BLACK 01
Textured, S 9000-N.

NOTE

Colours may vary slightly between different production batches.

Reproduction of colours vary between print and reality.

CONNECT WP PROFILE



WHITE 03
Textured, S 0502-Y.



NATURAL ANODIZED
Textured, S 1000-N.



BLACK 01
Textured, S 9000-N.

CONNECT CHANNEL TRIM



WHITE 01
S 0500-N.



GREY 01
Metallic, S 2502-B.



BLACK 01
Textured, S 9000-N.

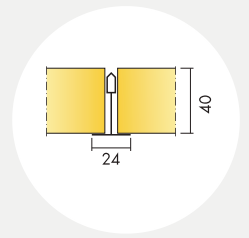


Systeme prop

m erties

ACOUSTICS, TECHNICAL PROPERTIES AND INSTALLATION DIAGRAMS

- 26 Akusto Wall A
- 29 Akusto Wall C
- 32 Akusto One
- 34 Akusto Wall C Akutex HS
- 36 Akusto Wall C Extra Bass
- 34 Akusto Wall C Screen

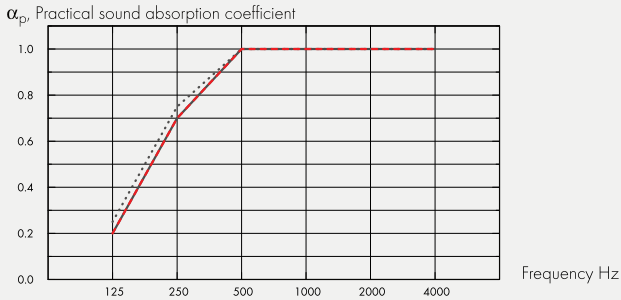


Ecophon Akusto™ Wall A

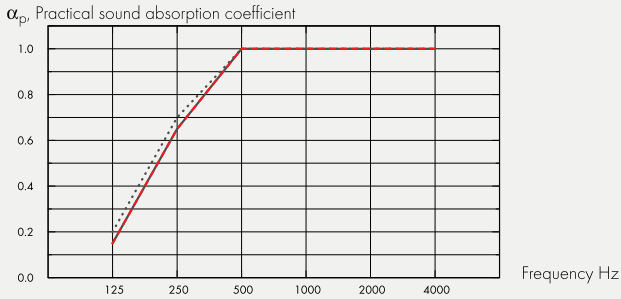
Acoustic

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423



- ... Akusto Wall A Akutex FT 40 mm, 50 mm o.d.s.
 - Akusto Wall A Texona 40 mm, 50 mm o.d.s.
 - - - Akusto Wall A Super G 40 mm, 50 mm o.d.s.
- o.d.s = overall depth of system



- ... Akusto Wall A Akutex FT 40 mm, 43 mm o.d.s.
 - Akusto Wall A Texona 40 mm, 43 mm o.d.s.
 - - - Akusto Wall A Super G 40 mm, 43 mm o.d.s.
- o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Akutex FT	40	43	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A
Texona	40	43	0.15	0.65	1.00	1.00	1.00	1.00	1.00	A
Super G	40	43	0.15	0.65	1.00	1.00	1.00	1.00	0.95	A
Akutex FT	40	50	0.25	0.75	1.00	1.00	1.00	1.00	1.00	A
Texona	40	50	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A
Super G	40	50	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A

THK mm	AC(1.5)
40	Articulation Class, ASTM E1111, ASTM E1110 230

Indoor Air Quality:

Certificate / Label	Standard	Plant
Eurofins Indoor Air Comfort®	IAC	IAC Gold
French VOC	A	A+
Finnish M1	Texona & Super G •	

Environmental Footprint: Akusto Wall: 6,2 (Akusto Wall family EPD in conformity with ISO 14025 / EN 15804) , Akusto Wall/Plant: 7,33 (Akusto Wall family EPD in conformity with ISO 14025 / EN 15804) ,

Circularity: Minimum post-consumer recycled content: 53%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Akusto wall panel is tested to fire standard EN 13501-1 and classed A2-s1,d0

Humidity Resistance: According to EN 13964:2014 Standard: Class C, RH 95% and 30°C, Plant: Class A, RH 70% and 25°C,

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 (Super G and Akutex FT surfaces). Weekly dusting and vacuum cleaning (Texona surface).

Accessibility: The panels are not demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. The systems should not be placed behind goals or similar areas where they frequently will be hit by hard ball shots. In such cases a protective net in front of the system is recommended.

System weight: The weight of the system (including profile system) should be approximately 4 kg/m².

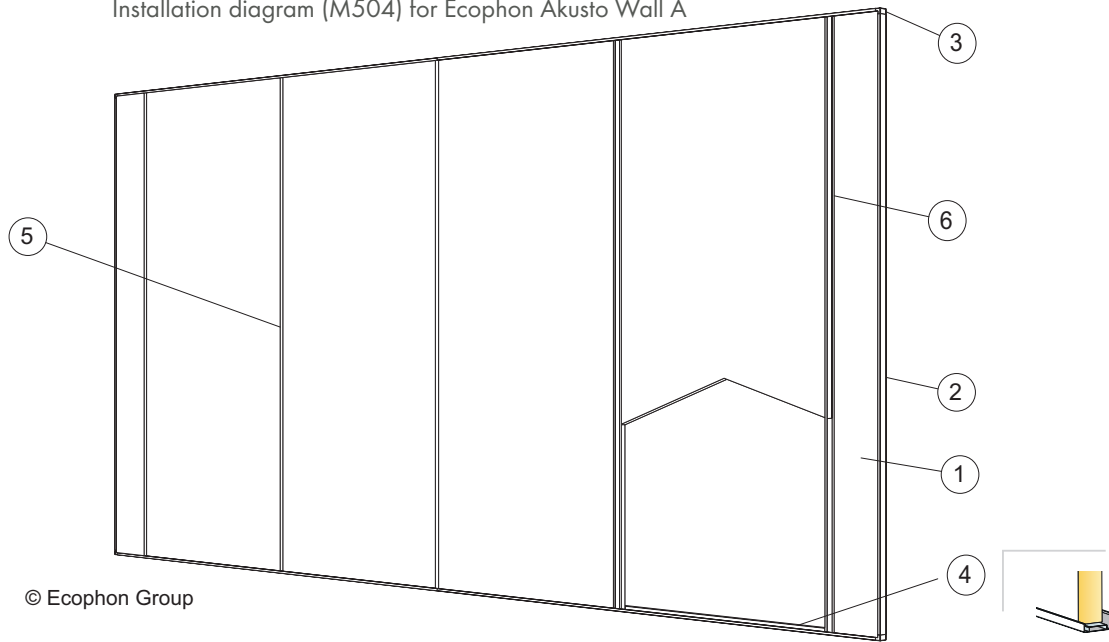
Mechanical properties: No additional live load is allowed.

Impact Resistance: Wall panel A and C are tested and classified according to EN 13964 annex D and fulfills the demands corresponding to DIN 18032 part 3. Texona surface has no impact resistance. Where panels are exposed to impacts, a Super G surface is required.

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.

M504

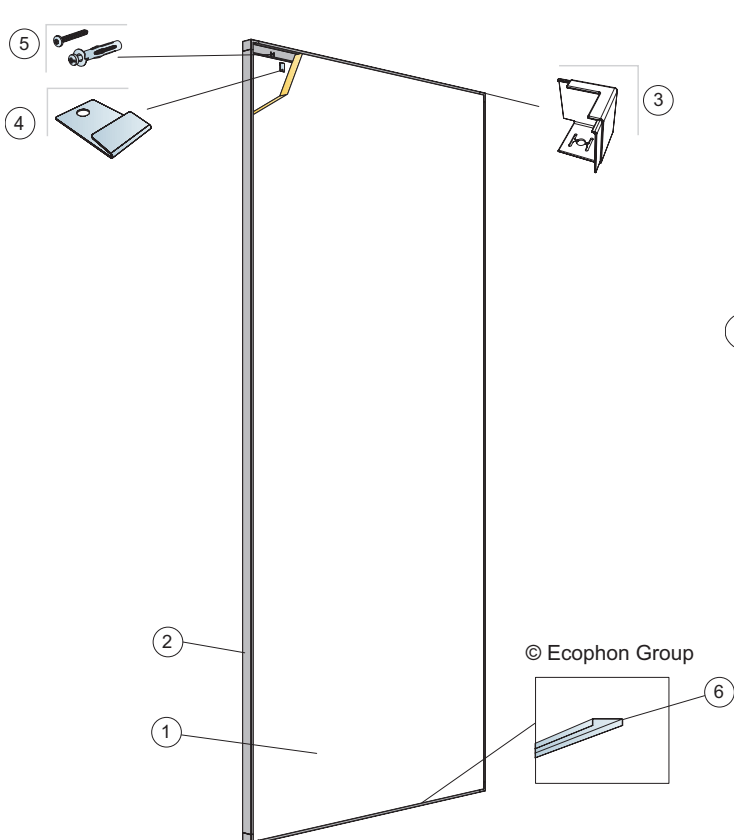
Installation diagram (M504) for Ecophon Akusto Wall A



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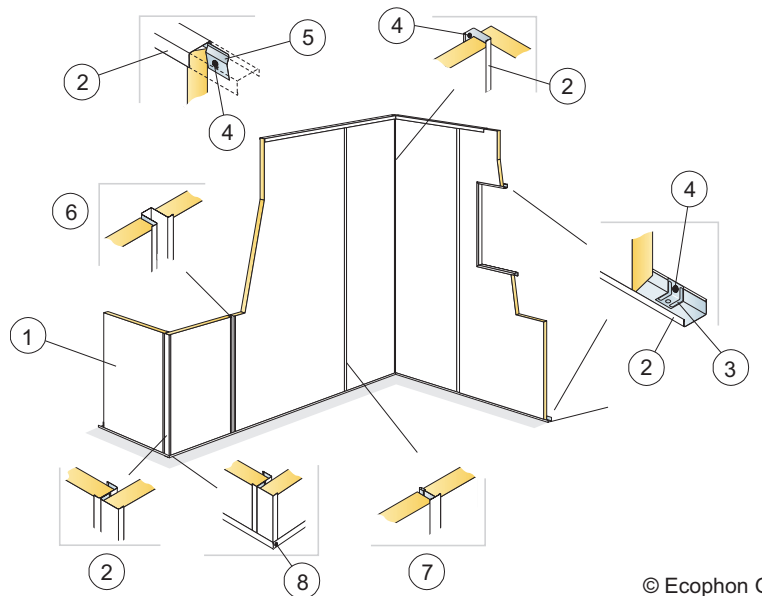
M509

Installation diagram (M353) for Ecophon Akusto Wall A with Connect Thinline profiles

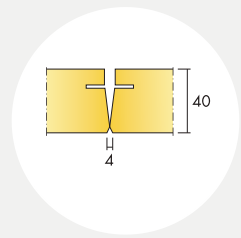


M353

Installation diagram (M353) for Ecophon Akusto Wall A



© Ecophon Group



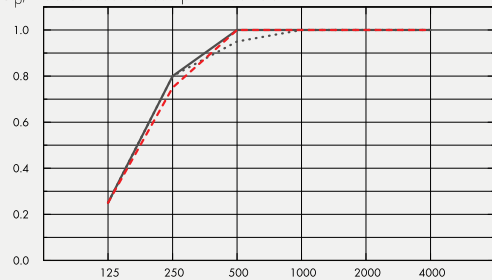
Ecophon Akusto™ Wall C

Acoustic

Sound Absorption:

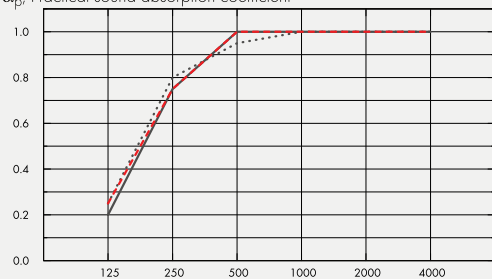
Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423

α_p , Practical sound absorption coefficient



..... Akusto Wall C Akutex FT 40 mm, 50 mm o.d.s.
 — Akusto Wall C Texona 40 mm, 50 mm o.d.s.
 --- Akusto Wall C Super G 40 mm, 50 mm o.d.s.
 o.d.s = overall depth of system

α_p , Practical sound absorption coefficient



..... Akusto Wall C Akutex FT 40 mm, 43 mm o.d.s.
 — Akusto Wall C Texona 40 mm, 43 mm o.d.s.
 --- Akusto Wall C Super G 40 mm, 43 mm o.d.s.
 o.d.s = overall depth of system

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Akutex FT	40	50	0.25	0.80	0.95	1.00	1.00	1.00	1.00	A
Texona	40	50	0.25	0.80	1.00	1.00	1.00	1.00	1.00	A
Super G	40	50	0.25	0.75	1.00	1.00	1.00	1.00	1.00	A
Akutex FT	40	43	0.25	0.80	0.95	1.00	1.00	1.00	1.00	A
Texona	40	43	0.20	0.75	1.00	1.00	1.00	1.00	1.00	A
Super G	40	43	0.25	0.75	1.00	1.00	1.00	1.00	1.00	A

THK mm	AC(1.5)
40	Articulation Class, ASTM E1111, ASTM E1110
	240

Indoor Air Quality:

Certificate / Label	Standard	Plant
Eurofins Indoor Air Comfort®	IAC	IAC Gold
French VOC	A	A+
Finnish M1	Texona & Super G •	

Environmental Footprint: Akusto Wall: 4,88 (Akusto Wall family EPD in conformity with ISO 14025 / EN 15804) , Akusto Wall/Plant: 7,33 (Akusto Wall family EPD in conformity with ISO 14025 / EN 15804) ,

Circularity: Minimum post-consumer recycled content 60% , Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Akusto wall panel is tested to fire standard EN 13501-1 and classed A2-s1,d0

Humidity Resistance: According to EN 13964:2014 Standard: Class C, RH 95% and 30°C, Plant: Class A, RH 70% and 25°C,

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 (Super G and Akutex FT surfaces). Weekly dusting and vacuum cleaning (Texona surface).

Accessibility: The panels are not demountable.

Installation: Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. The systems should not be placed behind goals or similar areas where they frequently will be hit by hard ball shots. In such cases a protective net in front of the system is recommended.

System weight: The weight of the system (including profile system) should be approximately 5 kg/m².

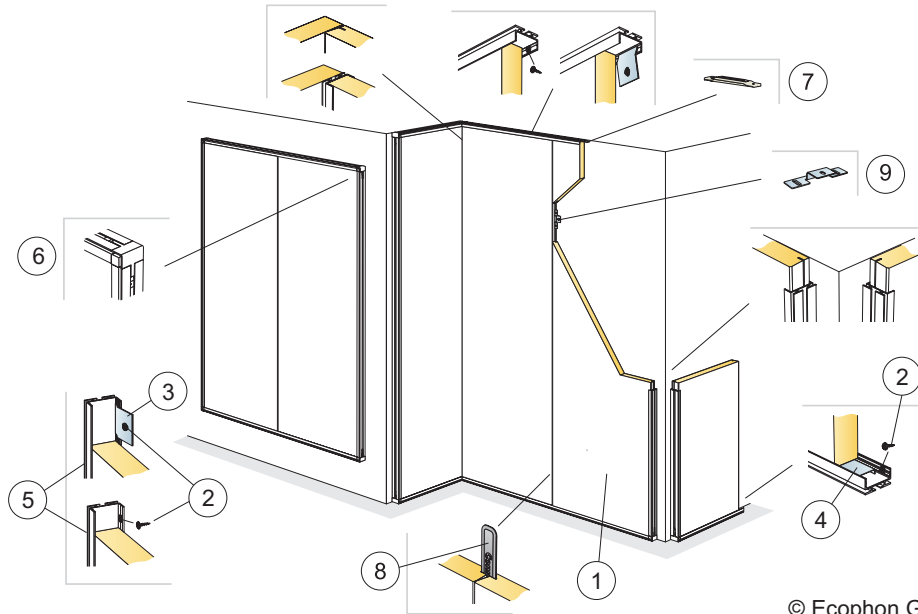
Mechanical properties: No additional live load is allowed.

Impact Resistance: Wall panel A and C are tested and classified according to EN 13964 annex D and fulfills the demands corresponding to DIN 18032 part 3. Texona surface has no impact resistance. Where panels are exposed to impacts, a Super G surface is required.

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.

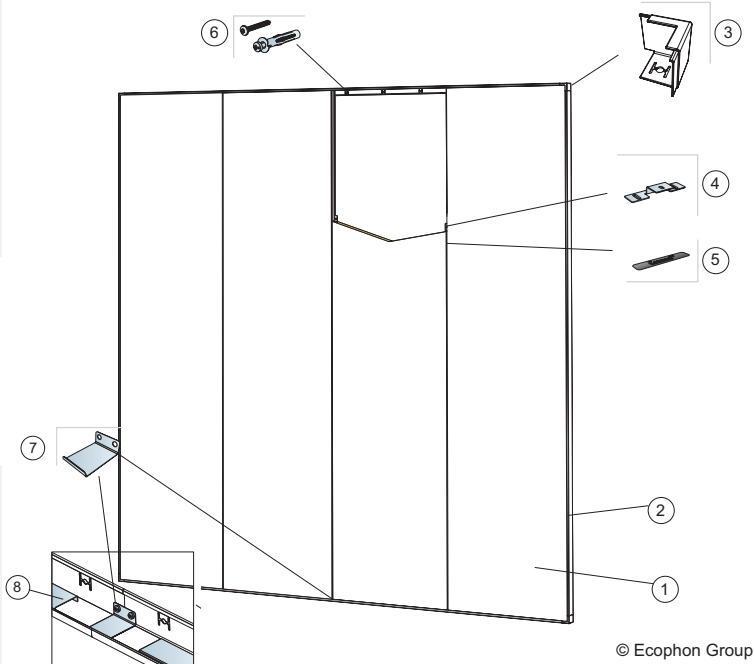
M354

Installation diagram (M354) for Ecophon Akusto Wall C vertical installation



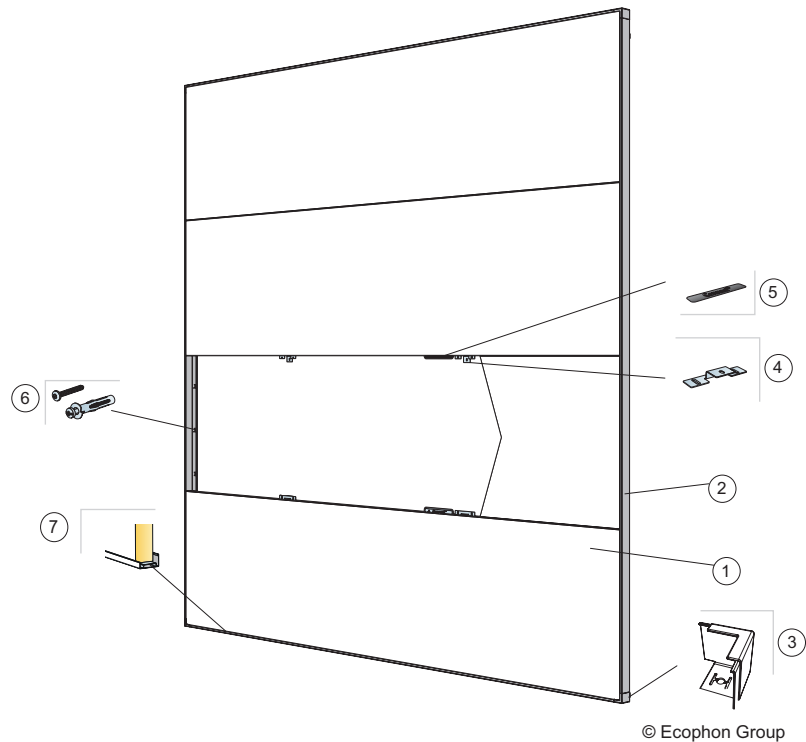
M497

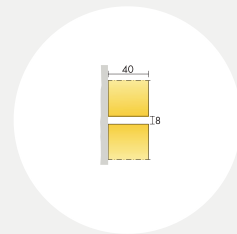
Installation diagram (M497) for Ecophon Akusto Wall C with Connect Thinline profiles



M508

Installation diagram (M508) for Ecophon Akusto Wall C horizontal installation





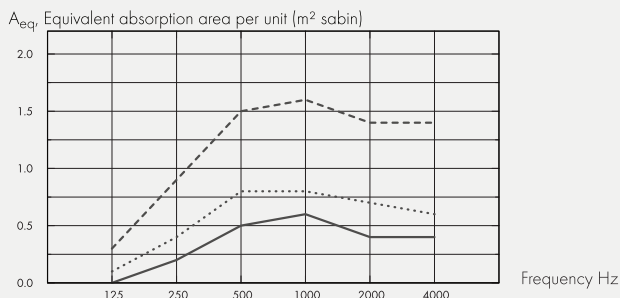
Ecophon Akusto™ One

Acoustic

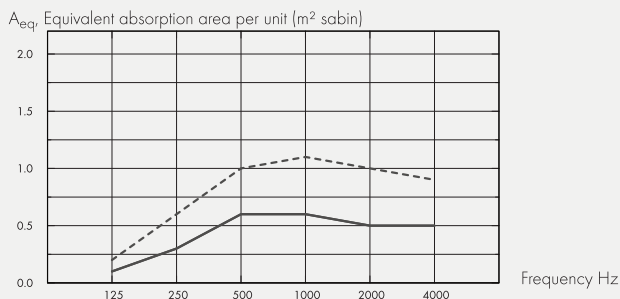
The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 metre, the A_{eq} per unit will be slightly reduced.

Sound Absorption:

Test results according to EN ISO 354.



- 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



- 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

34

	THK mm	o.d.s. mm	A_{eq} Equivalent absorption area per unit (m ² 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
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

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

Circularity: Minimum post-consumer recycled content: 61% Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Akusto wall panel is tested to fire standard EN 13501-1 and classed A2-s1,d0

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 panels 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.

System weight: The weight of the system (depending on size and including profile system) should be approximately 2,0 - 4,5 kg.

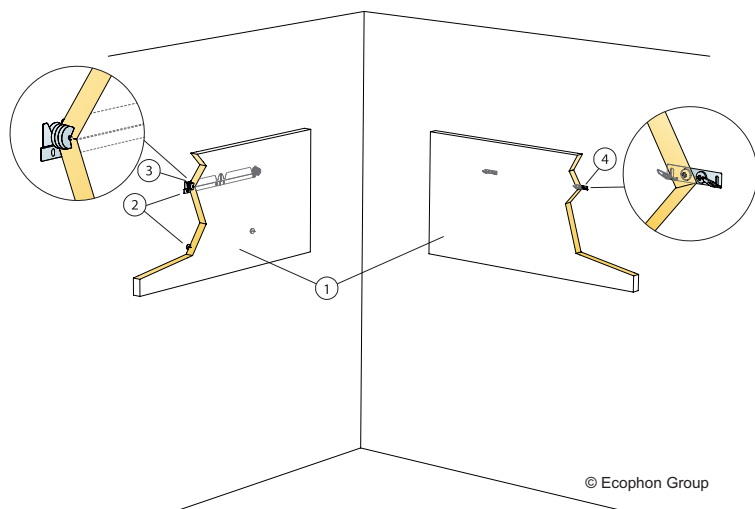
Mechanical properties: No additional live load is allowed.

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 IN DETAIL WWW.ECOPHON.COM/UK

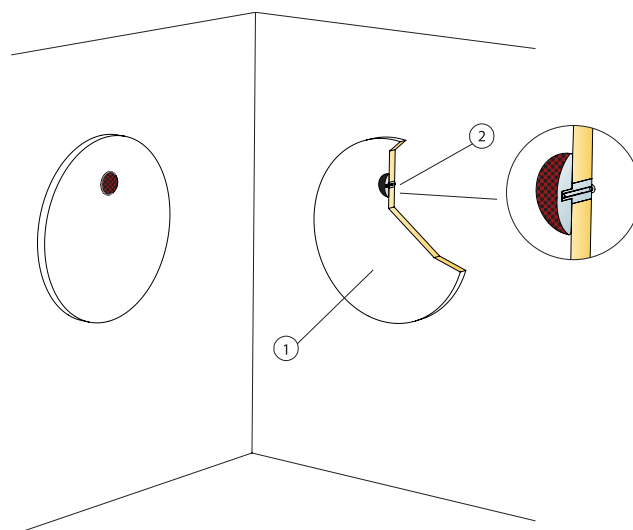
M371

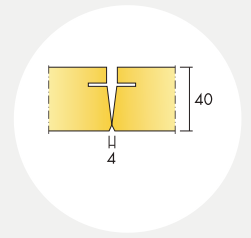
Installation diagram (M371) for Ecophon Akusto One



M372

Installation diagram (M372) for Ecophon Akusto One



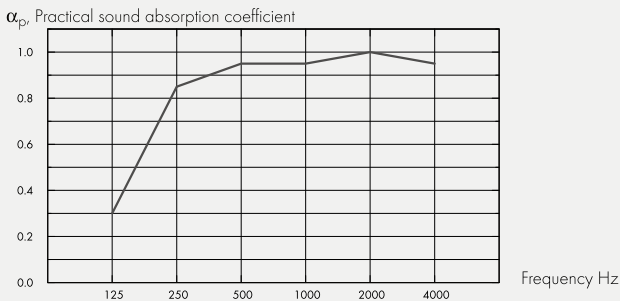


Ecophon Akusto™ Wall C Akutex HS

Acoustic:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.



– Akusto Wall C Akutex HS 40 mm, 60 mm o.d.s.
o.d.s = overall depth of system

THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	60	0.30	0.85	0.95	0.95	1.00	0.95	1.00	A

36

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: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Akusto wall panel is tested to fire standard EN 13501-1 and classed A2-s1,d0

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

Visual appearance: White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.

Cleanability: Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility: The panels are not demountable.

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

Texona surface has no impact resistance. Where panels are exposed to impacts, a Super G surface is required.

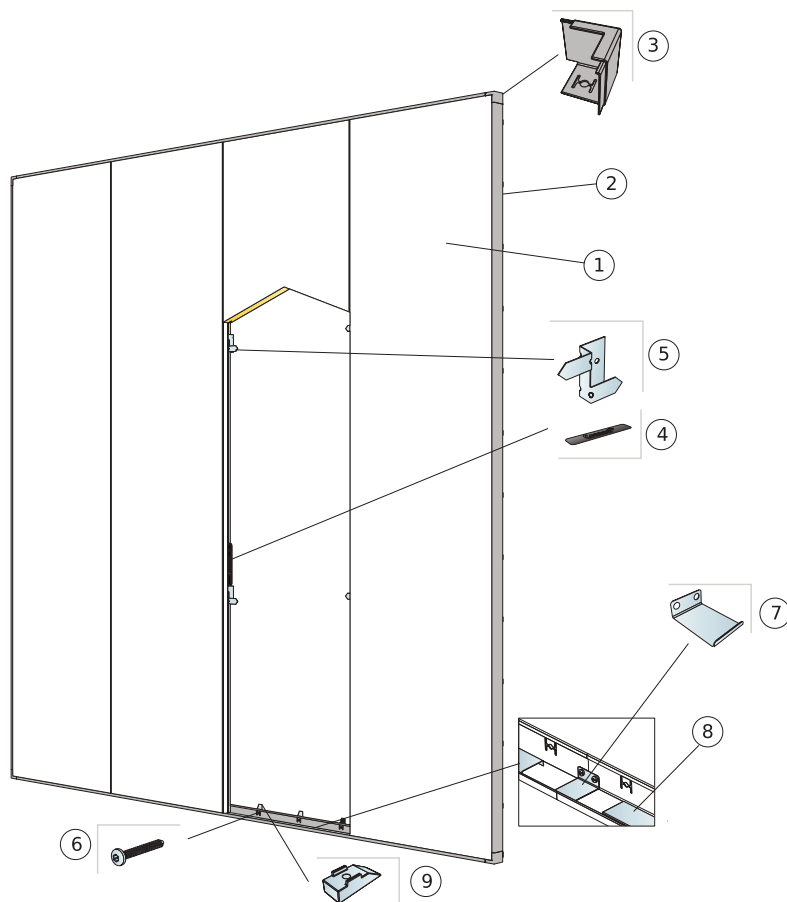
Mechanical properties: See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

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.

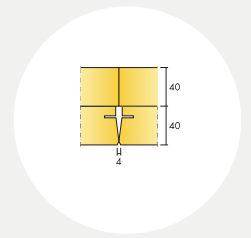
INSTALLATION DIAGRAM IN DETAIL WWW.ECOPHON.COM/UK

M505C4

Installation diagram (M505C4) for Ecophon Akusto Wall C Akutex HS



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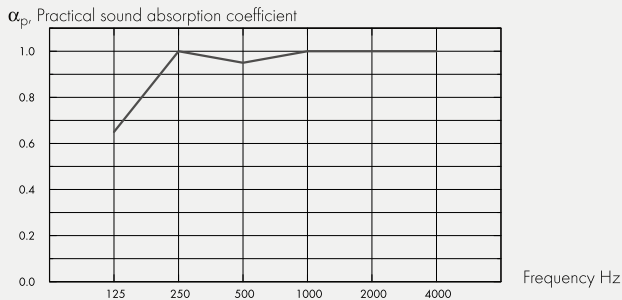


Ecophon Akusto™ Wall C Extra Bass

Acoustic:

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.



– Akusto Wall C Extra Bass 80 mm, 80 mm o.d.s.
o.d.s = overall depth of system

38

	THK mm	o.d.s. mm	α_p , Practical sound absorption coefficient						α_w	Sound absorption class
			125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
Extra Bass	80	80	0.65	1.00	0.95	1.00	1.00	1.00	1.00	A

	THK mm	o.d.s. mm	NRC	SAA
Extra Bass	80	80	1.00	1.00

Indoor Air Quality:

Certificate / Label

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

Environmental Footprint: Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15831 Akusto Wall C Extra Bass/Texona: 10,8 , Akusto Wall C Extra Bass/Akutex FT: 10,4 ,

Circularity: Minimum post-consumer recycled content: 60%, Recyclability: Fully recyclable,

Fire safety: The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. Europe: Akusto wall panel is tested to fire standard EN 13501-1 and classed A2-s1,d0

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 surface). Weekly dusting and vacuum cleaning (Texona) as required.

Accessibility: The tiles are non-demountable.

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

Texona surface has no impact resistance. Where panels are exposed to impacts, a Super G surface is required.

System weight: The weight of the system depends on the dimensions of the installation. 2700 x 2700 mm installations has a system weight of approximately 7 kg/m² (including profile system).

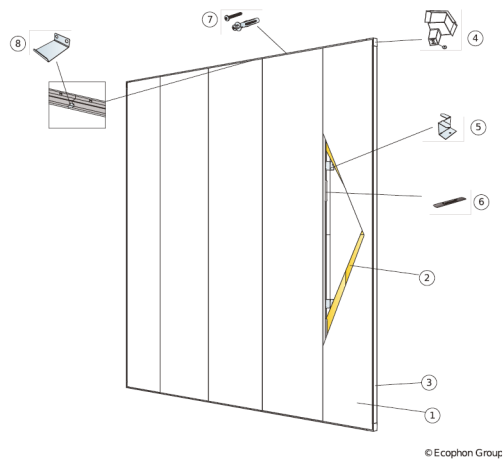
Mechanical properties: No additional live load is allowed.

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 in detail www.ecophon.com

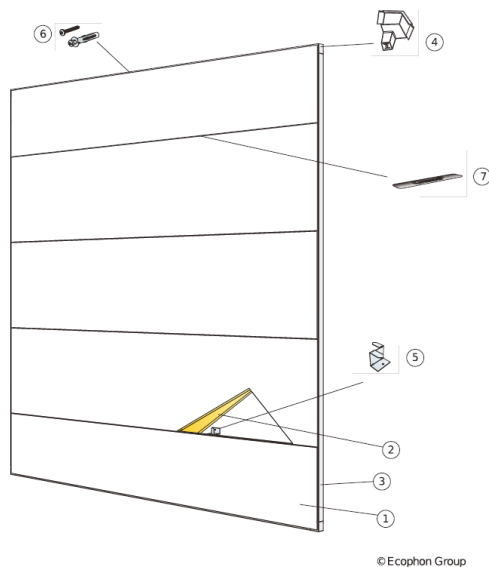
M535

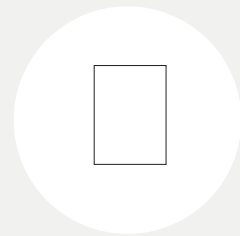
Installation diagram (M535) for Ecophon Akusto Wall C Extra Bass vertical installation with Connect shadow profiles.



M547

Installation diagram (M547) for Ecophon Akusto Wall Bass horizontal installation with Connect shadow profiles.



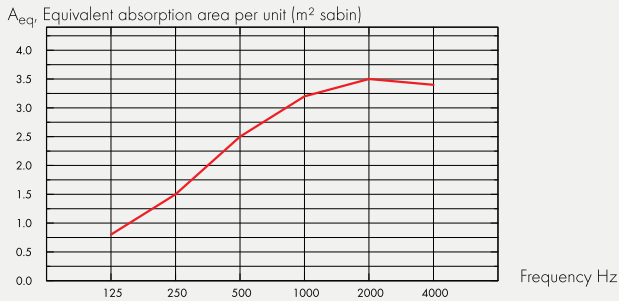


Ecophon Akusto™ Screen

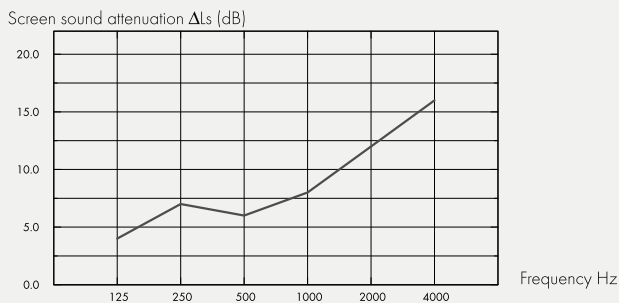
Acoustic:

Sound Absorption:

Sound absorption and sound attenuation test results according to ISO 20189.



— Akusto Screen, size 1500x1200 mm
o.d.s = overall depth of system



— Akusto Screen, size 1500x1200 mm
o.d.s = overall depth of system

40

	THK mm	A_{eq} Equivalent absorption area per unit (m^2 sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1500x1200	40	0.8	1.5	2.5	3.2	3.5	3.4

	THK mm	Screen sound attenuation Δ Is (dB)						Weighted screen sound attenuation (dB)
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
1500x1200	40	4.0	7.0	6.0	8.0	12.0	16.0	10.0

Indoor Air Quality:

Certificate / Label

French VOC, A

Humidity Resistance: Class A, relative humidity 70% and 25°C, according to EN 13964:2014

Circularity: Fully recyclable.

Visual appearance: Texona in white has high light reflectance. For more information regarding visual appearance of the various surfaces: See Ecophon Colours and surfaces.

Cleanability: Weekly dusting and vacuum cleaning.

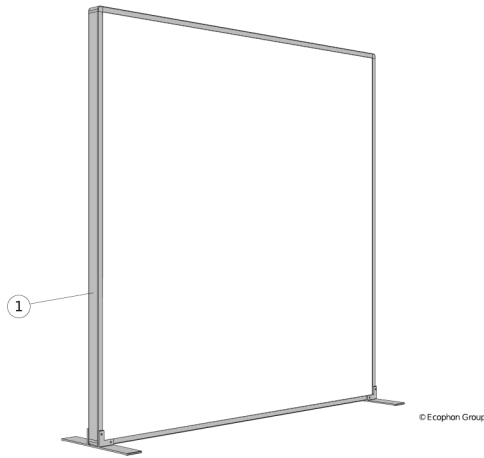
Use of disinfectants: Texona Ginger, Sea salt, Thyme, Oyster and Garlic withstand the frequent use of ethanol (70%)-based disinfectants. Dampen a soft polyester microfiber cloth with the solution and wipe the surface in gentle circular movements.

Installation: Installed according to the installation guide that is delivered with the product.

Mechanical properties: The product is tested according to EN14073-2 and EN1023.

Installation diagram in detail www.ecophon.com

INSTALLATION DIAGRAM (M515) FOR ECOPHON AKUSTO SCREEN



M526

Ecophon Akusto™ Screen





Ecophon is the leading supplier of solutions for indoor acoustic environments that improve working performance, wellbeing and quality of life.

The principles guiding our work are grounded in our Swedish heritage, where a human approach and a common responsibility for people's lives and future challenges come naturally. Ecophon is part of the Saint-Gobain Group, a world leader in sustainable habitat solutions that balance the need for comfort and cost-effectiveness with energy efficiency and environmental responsibility.



– making the world
a better home.



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