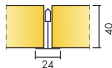# Ecophon Akusto™ Wall Edge A

Ecophon Akusto™ Wall A has an exposed profile system with a variety of surface options. This wall absorber pairs with a sound absorbing ceiling to achieve excellent acoustic properties in the room.
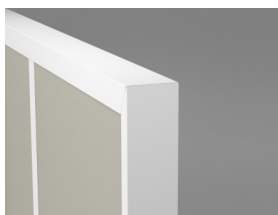
SYSTEM RANGE

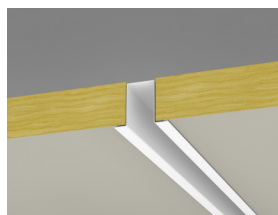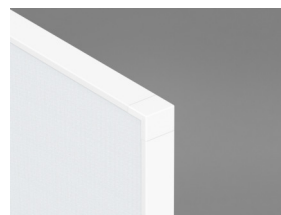| Size, mm	
	2700x1200
Channel trim	•
Thinline Profile	•
Thickness	40
Inst. Diagr.	M353, M504, M593, M595

Akusto Wall A

Akusto Wall A system with Connect Channel trim and Connect T24 Main runner

Akusto Wall A system with Connect Channel trim and Connect Recessed profile

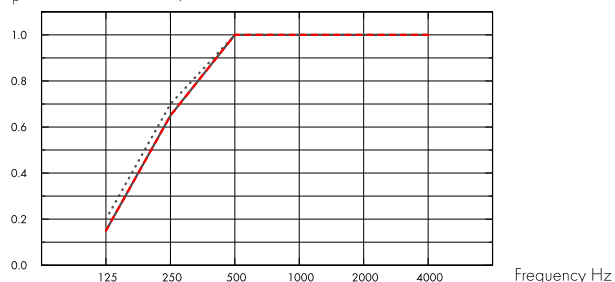Akusto Wall system with Connect Thinline profiles

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

Frequency Hz

···· 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

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

Indoor Air Quality

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

Environmental Footprint

	kg CO_2 equiv/m²
Akusto Wall A - Texona	4,74
Akusto Wall A - Texona/Plant	5,30
Akusto Wall A - Akutex FT	3,96
Akusto Wall A - Akutex FT/Plant	4,29
Akusto Wall A - Super G	6,21
Akusto Wall A - Super G/Plant	5,93

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

Circularity

Minimum post-consumer recycled content	53%
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

Product	
Standard	Class C, RH 95% and 30°C
Plant	Class A, RH 70% and 25°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 (Super G and Akutex FT surfaces). Weekly dusting and vacuum cleaning (Texona surface) as required.

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.

Accessibility

The tiles are not demountable except in selected installation diagrams. See quantity specification for more information.

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 are likely to be hit regularly. 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

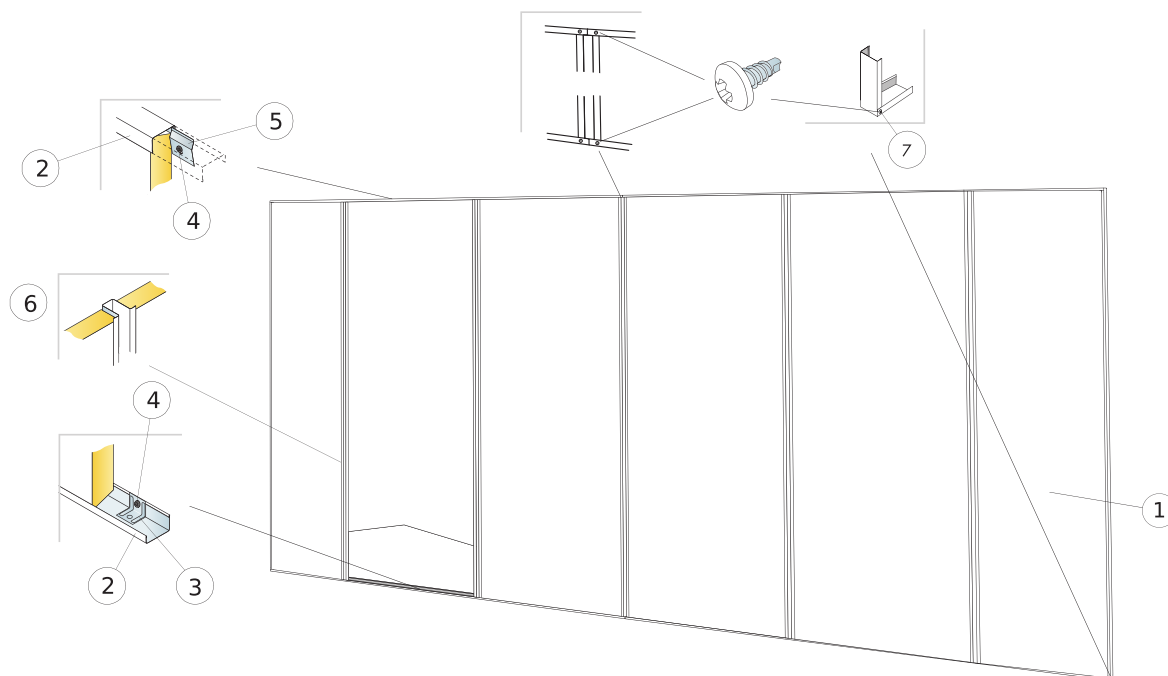| Surface	M-sketch	
Super G	M353	Fulfills

Tested and classified to fulfil the requirements of DIN 18032-3, equivalent to 1A according to EN13964. Texona surface has moderate impact resistance. Please note: Where the panels are subjected to frequent blows and impacts e.g. behind goal mouths, protection in form of e.g restraining nets or wooden slats 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.

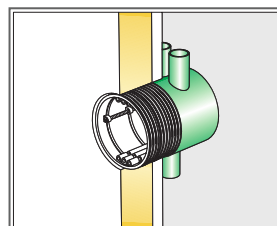INSTALLATION DIAGRAM (M353) FOR ECOPHON AKUSTO WALL A

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm
	2700x1200
1 Ecophon Akusto Wall A/Super G	0,31/m²
2 Connect Channel trim, fixed at 300 mm centres. Connect Direct fixing plate is placed inside at each fixing point if the panel is not supported by the floor.	as required
3 Connect Direct fixing plate	as required
4 Connect Installation screw MVL (for use in plasterboard or timber)	as required
5 Connect Fixing bracket, fixed at 400 mm centres.	as required
6 Connect Recessed profile plus	as required
7 Connect Installation screw BR (2000 pcs)	as required
Δ Min. overall depth of system: 44 mm	-
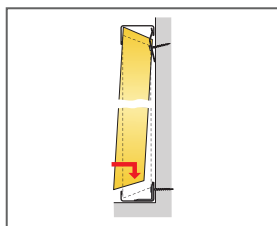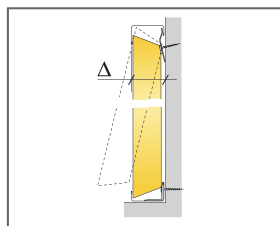
Detail of installation
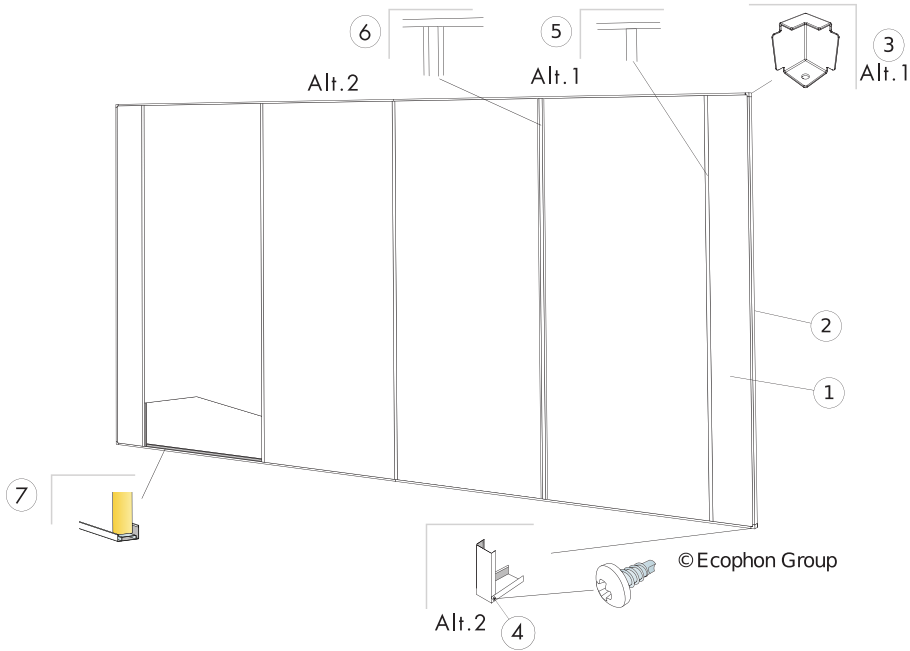
Accesories for adjusting electrical installations are available in electricity retail stores

Live load/load bearing capacity

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x1200x40	0	-

Alt.2 Alt.1 Alt.1

© Ecophon Group

Alt.2

QUANTITY SPECIFICATION (EXCL. WASTAGE)
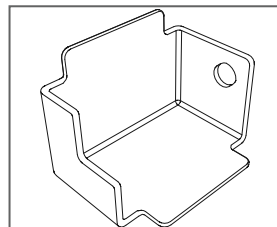
	Size, mm
	2700x1200
1 Ecophon Akusto Wall A	0,31/m²
2 Connect Channel trim, fixed at 300 mm centres. Connect Direct fixing plate is placed inside at each fixing point if the panel is not supported by the floor.	as required
3 Alt. 1 Connect Channel trim corner	as required
4 Alt. 2 Connect Installation screw BR	as required
5 Alt. 1 Connect T24 Main runner, (Installation: kept in position with the Channel trims)	as required
6 Alt.1 Connect Recessed profile, (Installation: kept in position with the Channel trims)	as required
7 Connect WP Space bar, L=2400 mm	as required
Δ Min. overall depth of system: 44 mm	-
Connect Installation screw MVL (for use in plasterboard or timber)	as required

Δ
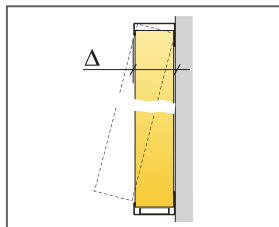
See Quantity specification
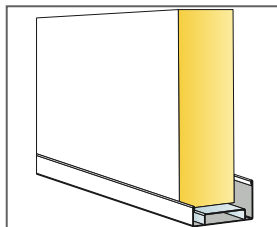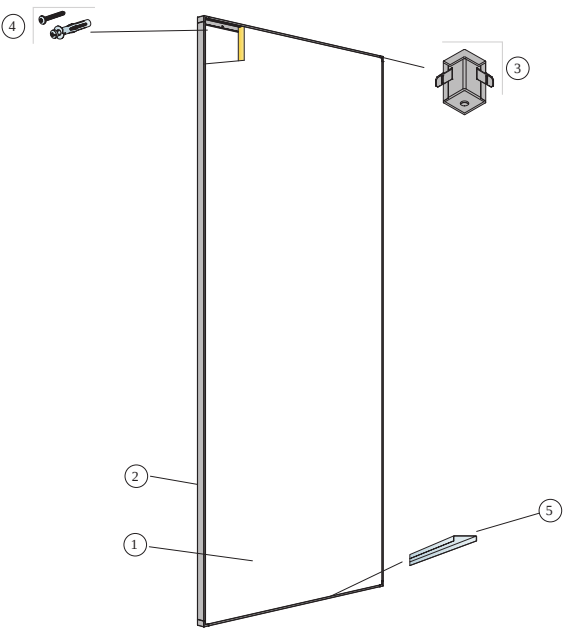
Installation with Channel trim and WP Space bar

Connect Channel trim corner for 44mm profile

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x1200x40	-	-

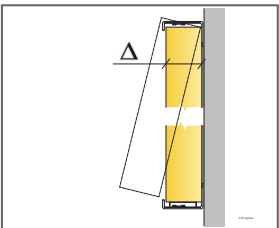Live load/load bearing capacity

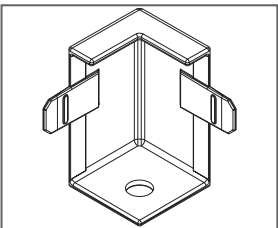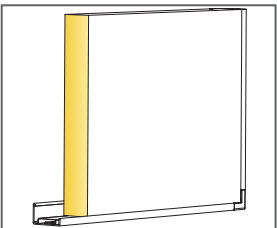## INSTALLATION DIAGRAM (M593) FOR ECOPHON AKUSTO WALL A VERTICAL INSTALLATION WITH CONNECT THINLINE PROFILES.

© Ecophon

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x1200
1	Ecophon Akusto Wall A	0,31/m²
2	Connect Thinline Profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
5	Connect Thinline Space Bar	as required
	Δ Overall depth of system: 45 mm	-

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x1200x40	-	-

Detail of panel with Thinline frame

Detail of Thinline corner
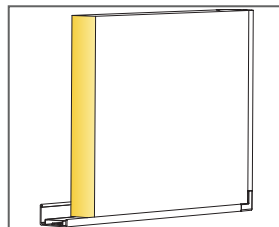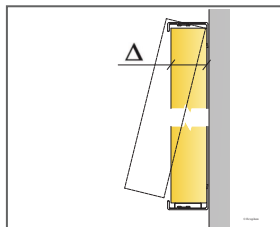
Live load/load bearing capacity

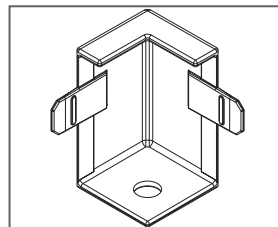INSTALLATION DIAGRAM (M595) FOR ECOPHON AKUSTO WALL A HORIZONTAL INSTALLATION WITH CONNECT THINLINE PROFILES.

© Ecophon

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x1200
1	Ecophon Akusto Wall A	0,31/m²
2	Connect Thinline Profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Thinline Locking Clip	as required
5	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
6	Connect Thinline Space Bar	as required
	Δ Overall depth of system: 45 mm	-

		Size, mm	Max live load (N)	Min load bearing capacity (N)
		2700x1200x40	-	-

Detail of panel with Thinline frame

Detail of Thinline corner
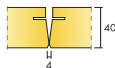
Live load/load bearing capacity

Ecophon Akusto™ Wall Edge C

Ecophon Akusto™ Wall C has a concealed grid and bevelled edge to create a narrow groove between each panel. Available in a variety of surface options. Excellent room acoustic properties are achieved when this wall absorber is paired with a sound absorbing ceiling.
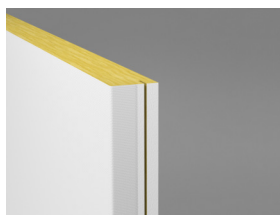

Family image, , Sweden

SYSTEM RANGE

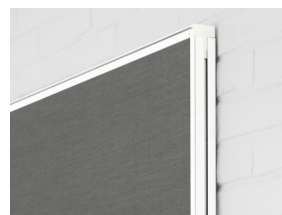| Size, mm	
	2700x600
Thinline Profile	•
WP Profile	•
Thickness	40
Inst. Diagr.	M609, M354, M355, M592

Akusto Wall C

Section of Akusto Wall C System

Akusto Wall C system with Connect WP profile and external corner

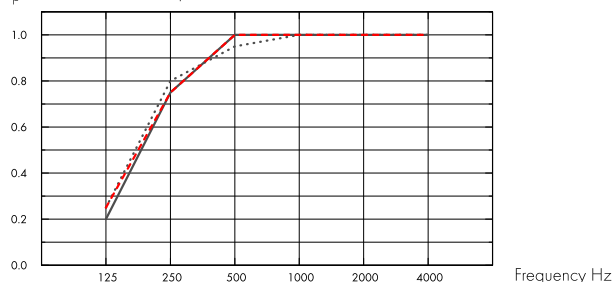Wall Panel C system with Connect WP profile and external corner

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, 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	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) Articulation Class, ASTM E1111, ASTM E1110
40	240

Indoor Air Quality

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

Environmental Footprint

	kg CO₂ equiv/m²
Akusto Wall C - Texona	7,66
Akusto Wall C - Texona/Plant	8,42
Akusto Wall C - Akutex FT	7,44
Akusto Wall C - Akutex FT/Plant	8,05
Akusto Wall C - Super G	9,03
Akusto Wall C - Super G/Plant	9,98

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

Circularity

Minimum post-consumer recycled content	60%
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

Product	
Standard	Class C, RH 95% and 30°C
Plant	Class A, RH 70% and 25°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 (Super G and Akutex FT surface). Weekly dusting and vacuum cleaning (Texona) as required.

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.

Accessibility

The tiles are not demountable except in selected installation diagrams. See quantity specification for more information.

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 are likely to be hit regularly. 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

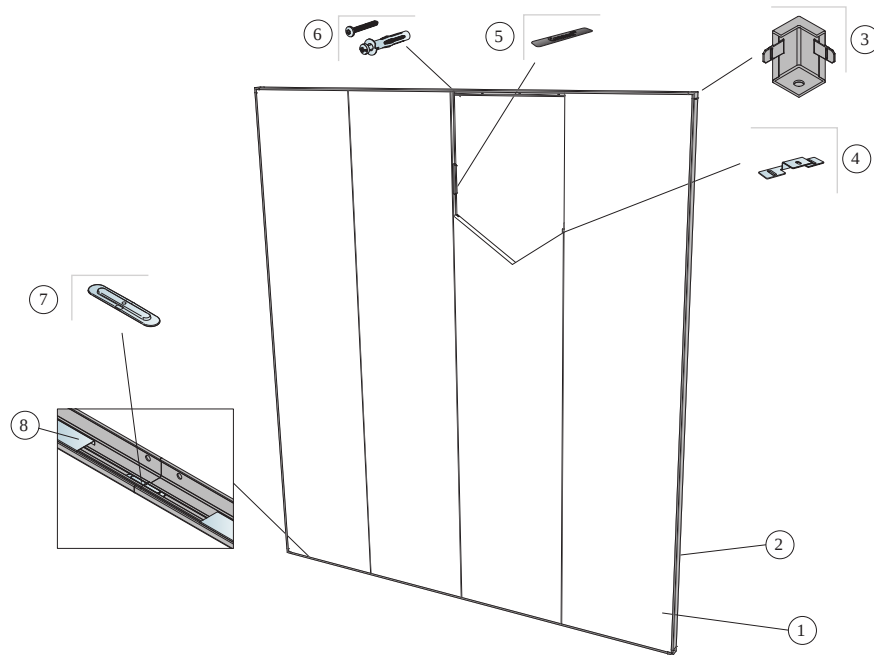| Surface	M-sketch	
Super G	M354	Fulfills

Tested and classified to fulfil the requirements of DIN 18032-3, equivalent to 1A according to EN13964..

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.
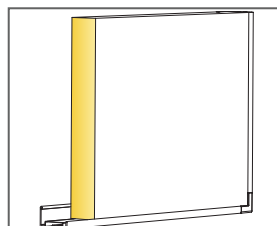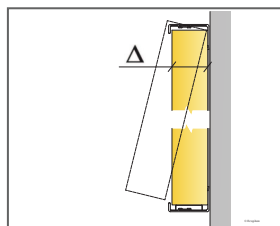
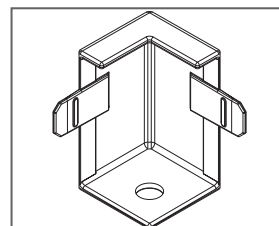INSTALLATION DIAGRAM (M609) FOR ECOPHON AKUSTO WALL C VERTICAL INSTALLATION WITH CONNECT THINLINE PROFILES.

© Ecophon

QUANTITY SPECIFICATION (EXCL. WASTAGE)

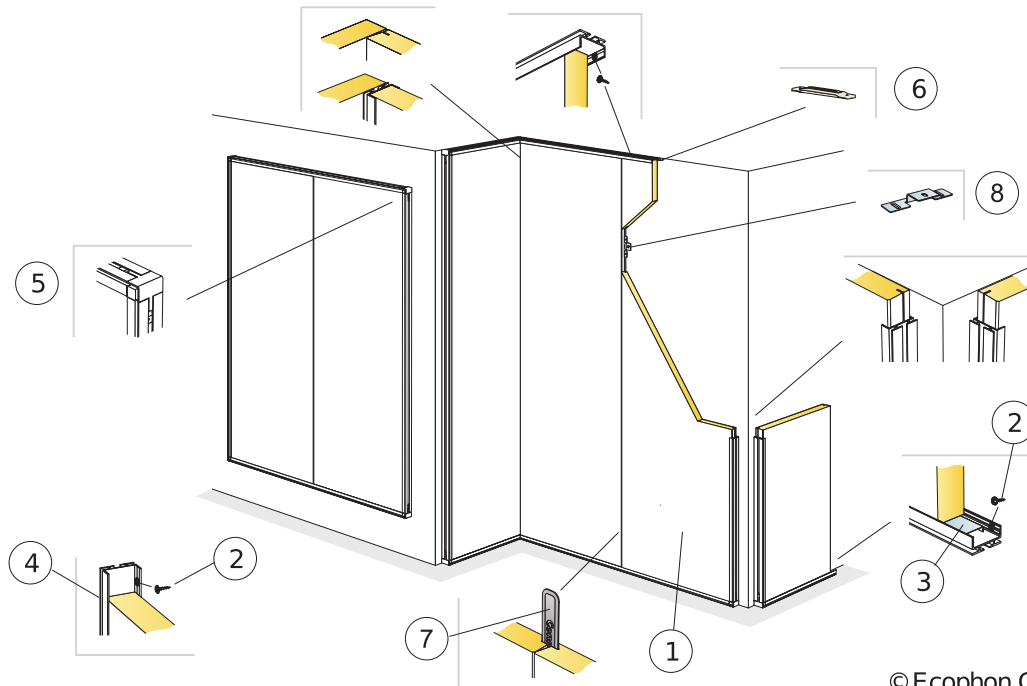|		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Connect Thinline Profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Fixing Plate installed 3 per panel lenght	as required
5	Connect Spline	as required
6	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
7	Connect Thinline Splice. used to extend Thinline profiles where needed.	as required
8	Connect Thinline Space Bar	as required
	Δ Overall depth of system: 45 mm	-

Detail of panel with Thinline frame

Detail of Thinline corner

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	0	-

Live load/load bearing capacity

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

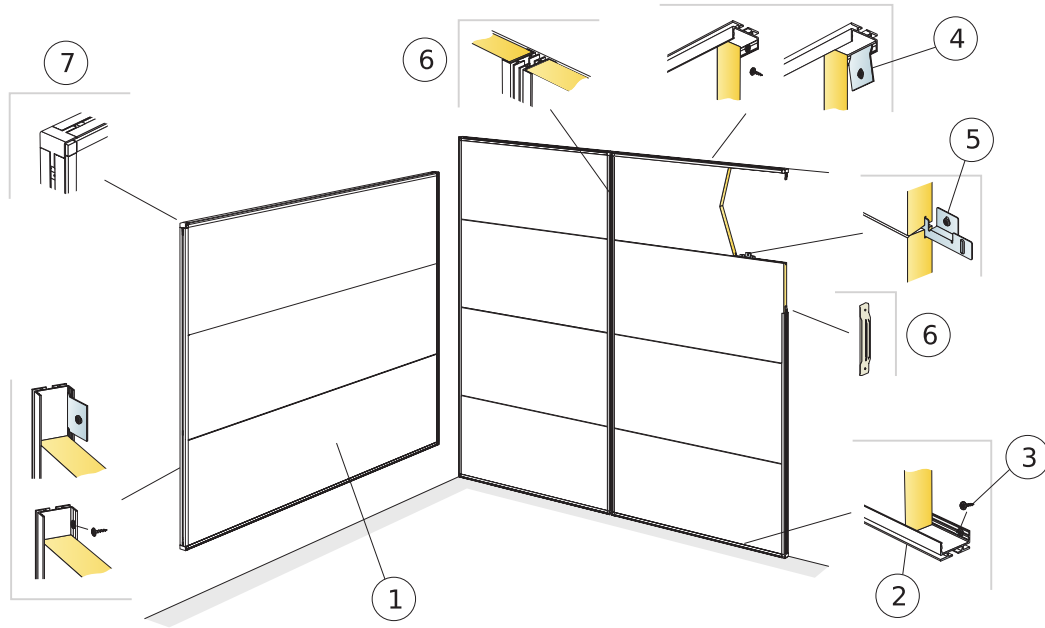|		Size, mm
		2700x600
1	Akusto Wall C (Akusto Wall C/Super G for Ball Impact Resistance)	0,62/m²
2	Connect Installation screw MVL (for use in plasterboard or timber)	as required
3	Connect WP Space bar, L=2400 mm	as required
4	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
5	Connect WP External corner mounted in Connect WP Profile	as required
6	Connect WP Profile splice. used to extend WP profiles where needed.	as required
7	Connect Spline	as required
8	Connect Fixing Plate installed 3 per panel lenght	as required
	Δ Min. overall depth of system: 44 mm	-
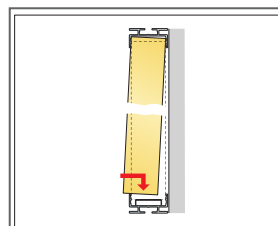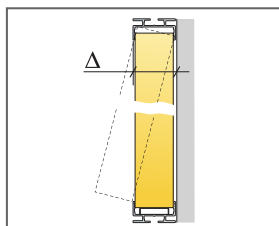
Detail of installation
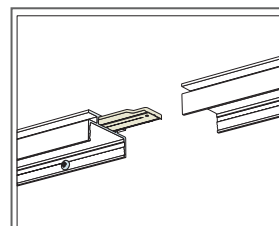
Detail of WP Profile splice

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	0	-

Live load/load bearing capacity

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
3	Connect Installation screw MVL (for use in plasterboard or timber)	as required
4	Alt. Connect Fixing bracket, fixed at 400 mm centres.	as required
5	Connect Fixing Plate installed 3 per panel lenght	as required
6	Connect WP Profile splice. used to extend WP profiles where needed.	as required
7	Connect WP External corner mounted in Connect WP Profile	as required
	Δ Min. overall depth of system: 44 mm	-
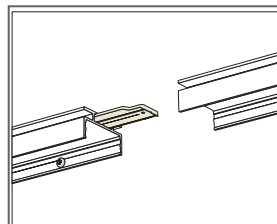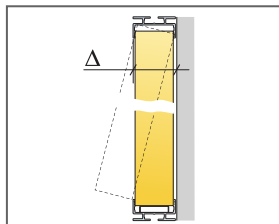
Detail of WP Profile splice

Detail of lower connection

Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	0	-

Live load/load bearing capacity

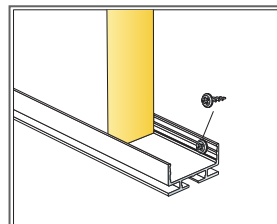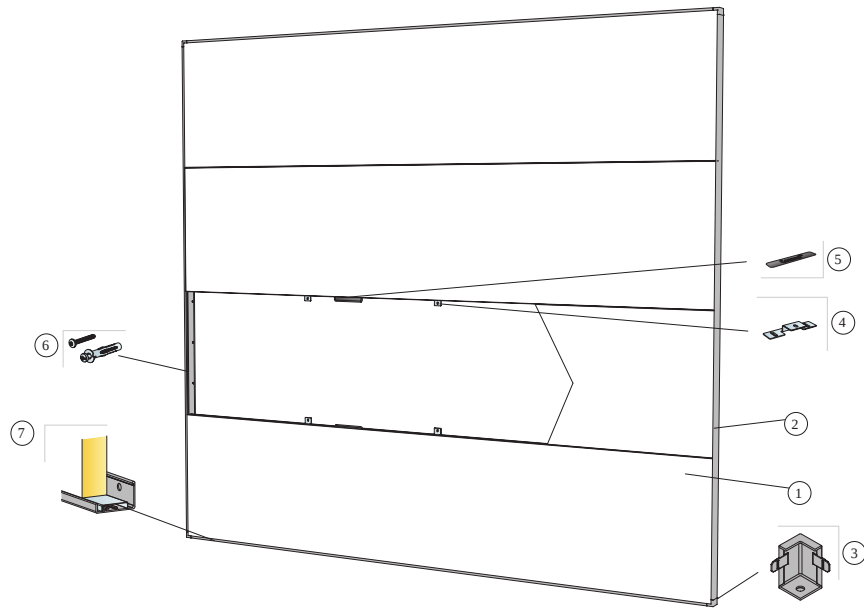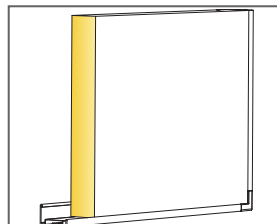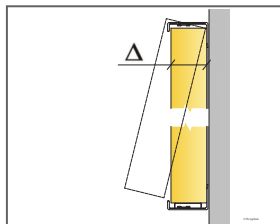INSTALLATION DIAGRAM (M592) FOR ECOPHON AKUSTO WALL C HORIZONTAL INSTALLATION WITH
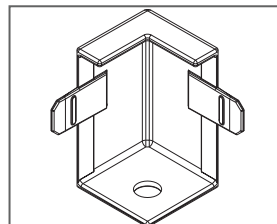CONNECT THINLINE PROFILES

© Ecophon

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Connect Thinline Profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Fixing Plate installed 3 per panel lenght	as required
5	Connect Spline	as required
6	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
7	Connect Thinline Space Bar	as required
	Δ Overall depth of system: 45 mm	-

Detail of panel with Thinline frame

Detail of Thinline corner

| Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	-	-

Live load/load bearing capacity

Ecophon Akusto™ Wall C Extra Bass

Ecophon Akusto™ Wall C Extra Bass has a concealed grid and bevelled edge to create a narrow groove between each panel. Available in a variety
of surface options. The wall absorber has excellent sound absorption qualities from low to high sound frequencies. Best room acoustic
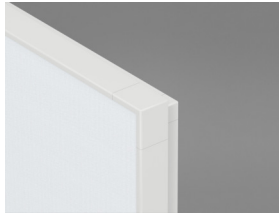properties are achieved when used together with a sound absorbing ceiling.
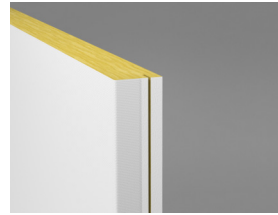

Family image, , Sweden

SYSTEM RANGE
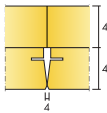
Size, mm	
	2700x600
Akusto Extra Bass (40mm)	•
Thickness	40
Inst. Diagr.	M535, M547

Akusto Wall C Extra Bass system

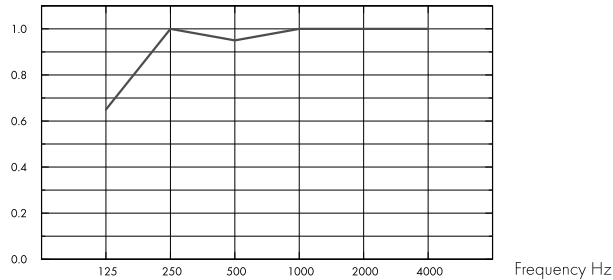Akusto Wall C Extra Bass system from above

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 Extra Bass 80 mm, 80 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		
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
80	80	1.00	1.00

Indoor Air Quality

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

Environmental Footprint

	kg CO₂ equiv/m²
Akusto Wall C Extra Bass/Texona	10,8
Akusto Wall C Extra Bass/Akutex FT	10,4

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

Circularity

Minimum post-consumer recycled content	60%
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 surface). Weekly dusting and vacuum cleaning (Texona) as required.

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.

Accessibility

The tiles are non-demountable.

Installation

Installed according to installation diagrams, installation guides and drawing aid.

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).
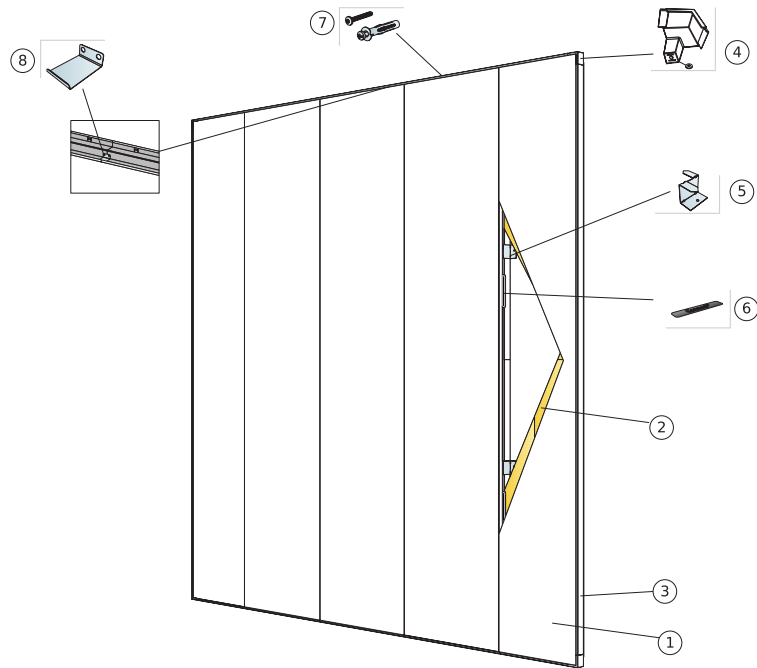
Mechanical properties

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.
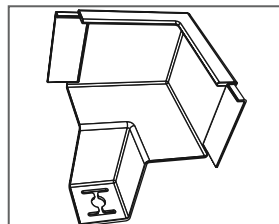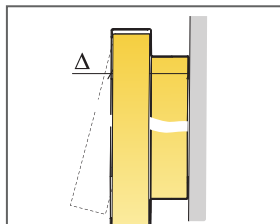
INSTALLATION DIAGRAM (M535) FOR ECOPHON AKUSTO WALL C EXTRA BASS VERTICAL INSTALLATION WITH CONNECT SHADOW PROFILES.
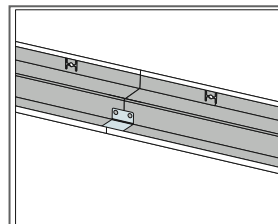

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

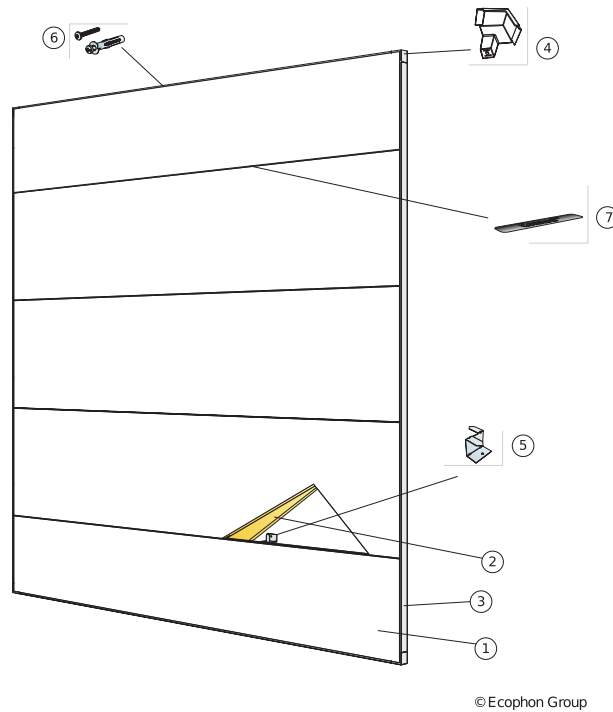|		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Akusto Extra Bass	1,25/m²
3	Connect Shadow Profile	as required
4	Connect Shadow Corner (Incl. washer for leveling)	as required
5	Connect Ambit fixing installed at 1000 mm centres	as required
6	Connect Spline	as required
7	Installation screw, installed at 200 mm centres (select fastener according to wall material)	as required
8	Connect Shadow Splice. Used to extend profiles where needed.	as required

Δ

Detail of panel with Thinline frame

Detail of panel with Thinline frame

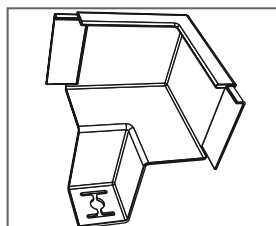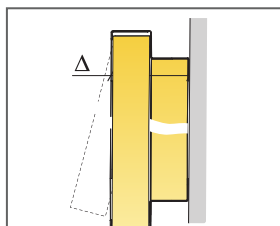| Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	0	-

Live load/load bearing capacity

INSTALLATION DIAGRAM (M547) FOR ECOPHON AKUSTO WALL BASS HORIZONTAL INSTALLATION WITH CONNECT SHADOW PROFILES.

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Akusto Extra Bass	1,25/m²
3	Connect Shadow Profile	as required
4	Connect Shadow Corner (Incl. washer for leveling)	as required
5	Connect Ambit fixing installed at 1000 mm centres	as required
6	Installation screw, installed at 200 mm centres (select fastener according to wall material)	as required
7	Connect Spline	as required
8	Connect Shadow Splice. Used to extend profiles where needed.	as required

Detail of panel with Thinline frame

| Size, mm	Max live load (N)	Min load bearing capacity (N)
2700x600x40	0	-

Live load/load bearing capacity
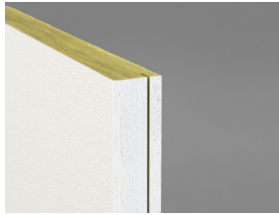
Ecophon Akusto™ Wall C Akutex HS

Ecophon Akusto™ Wall C Akutex HS has a concealed grid and bevelled edge to create a narrow groove between each panel. Suitable for swimming pool areas, it's compatible with high humidity, corrosivity and occasional direct water.

SYSTEM RANGE
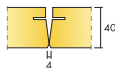
	Size, mm
	2700x600
Thinline Profile	•
Thickness	40
Inst. Diagr.	M594C4

Akusto Wall C Akutex HS

Section of Akusto Wall C Akutex HS System

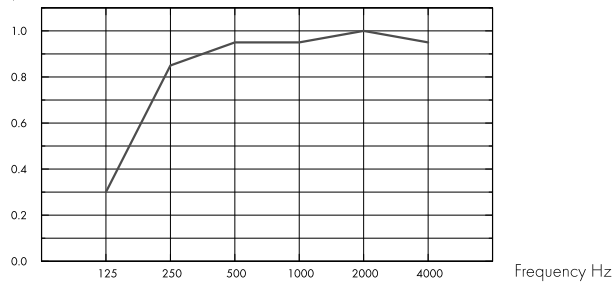Akusto Wall Akutex HS system with Connect Thinline Profile and distance

Acoustic

Sound Absorption:

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

α_p, Practical sound absorption coefficient

— 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

Indoor Air Quality

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

Environmental Footprint

	kg CO₂ equiv/m²
Akusto Wall C - Akutex HS	7,77

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

Circularity

Minimum post-consumer recycled content	60%
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

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

Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility

The tiles are not demountable except in selected installation diagrams. See quantity specification for more information.

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 are likely to be hit regularly. In such cases a protective net in front of the system is recommended.

Mechanical properties

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

Cradle to Cradle Certified®

This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

Material Health

This product has 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.

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 (M594C4) FOR ECOPHON AKUSTO™ WALL C AKUTEX HS VERTICAL INSTALLATION WITH CONNECT THINLINE PROFILE AND DISTANCE.
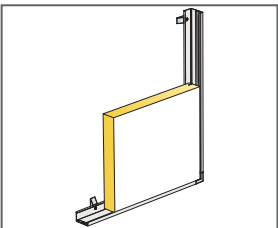

© Ecophon
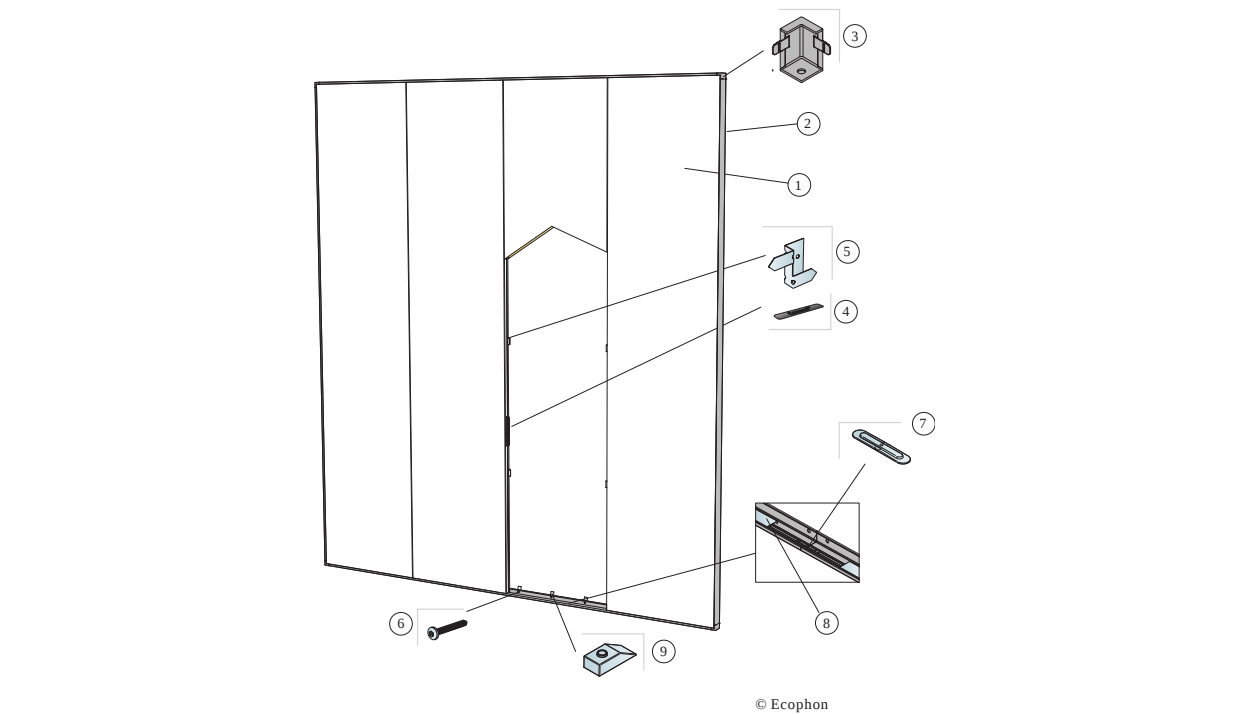
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C Akutex HS	0,62/m²
2	Connect Thinline Profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Spline	as required
5	Connect Thinline Fixing C4, for panel support every 1000 mm	as required
6	Installation screw C4, installed at 200 mm centres (select fastener according to wall material)	as required
7	Connect Thinline Splice. used to extend Thinline profiles where needed.	as required
8	Connect Thinline Space Bar	as required
9	Connect Distance C4, installed at 200 mm centres	as required
Δ	Overall depth of system: 55 mm	-
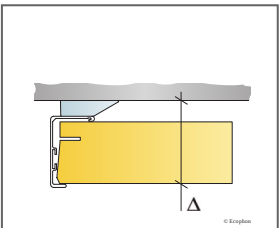
See Quantity Specification

Detail of panel with Thinline system with distance
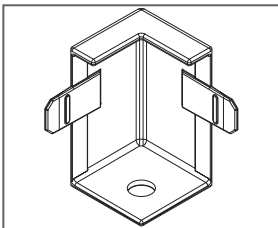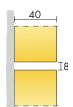

Detail of Thinline corner

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.
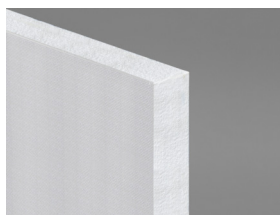

Helsingborg, Sweden

SYSTEM RANGE

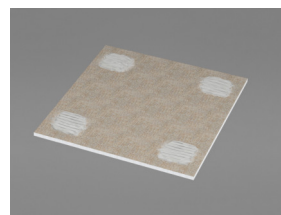| Size, mm		Ø592	592x592	Ø792	Ø1192	1192x292	1192x592
Special Fixing		•	•	•	•	•	•
Thickness		40	40	40	40	40	40
Inst. Diagr.		M372	M371	M372	M372	M371	M371

Akusto One panel

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

Installation with Connect™ One hook fixing

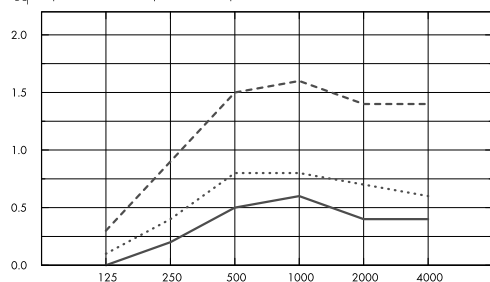Installation with Connect™ Absorber glue

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 metres, the Aeq per unit will be slightly reduced.
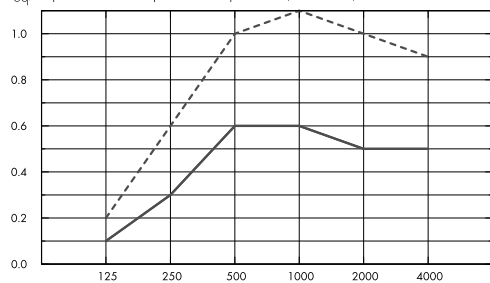
Sound Absorption:

Test results according to EN ISO 354.

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

Frequency Hz

— 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

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

Frequency Hz

— 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

	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
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_{eq}, Equivalent absorption area per unit (m² 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$_2$ equiv/m²
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 surface). Weekly dusting and vacuum cleaning (Texona) as required.

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

The weight of the system (depending on size and including profile system) should be approximately 2,0 – 4,5 kg.
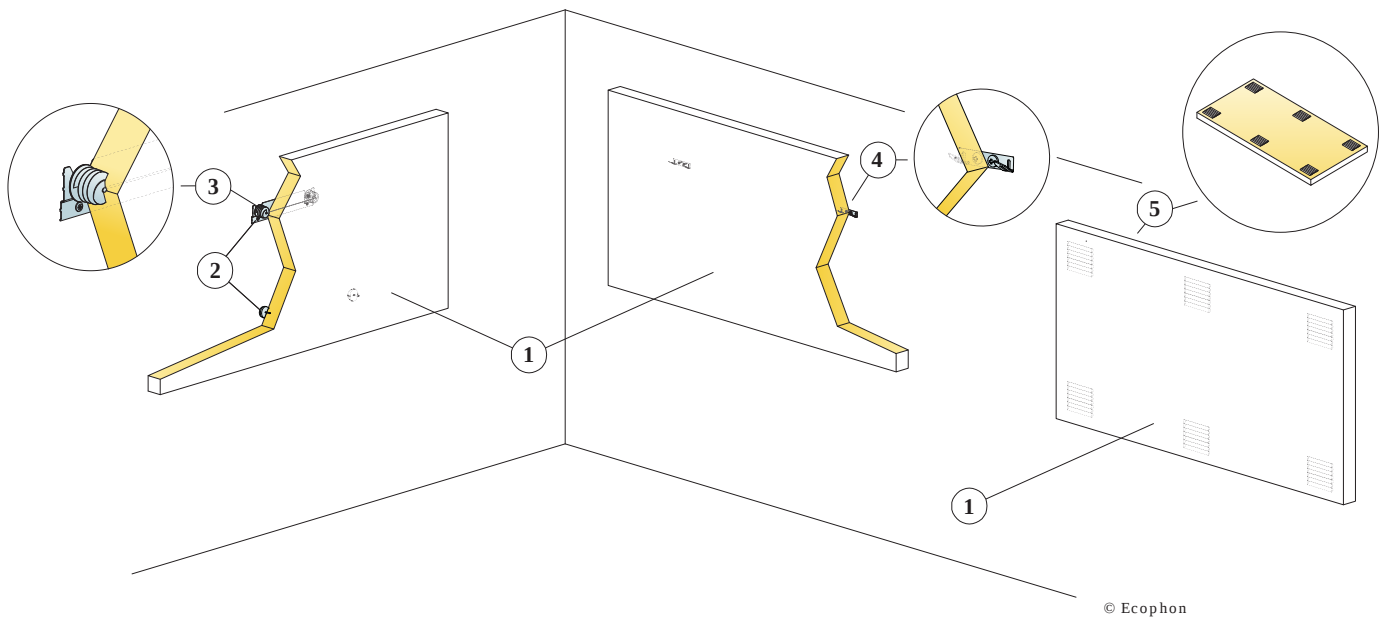
Mechanical properties
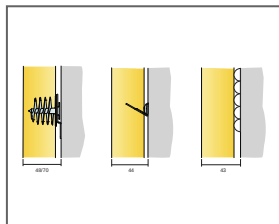
No additional live load is allowed.

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.

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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	-	-	-

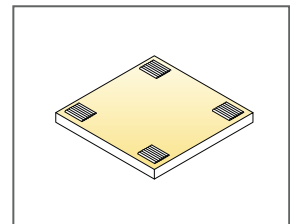
See Quantity specification

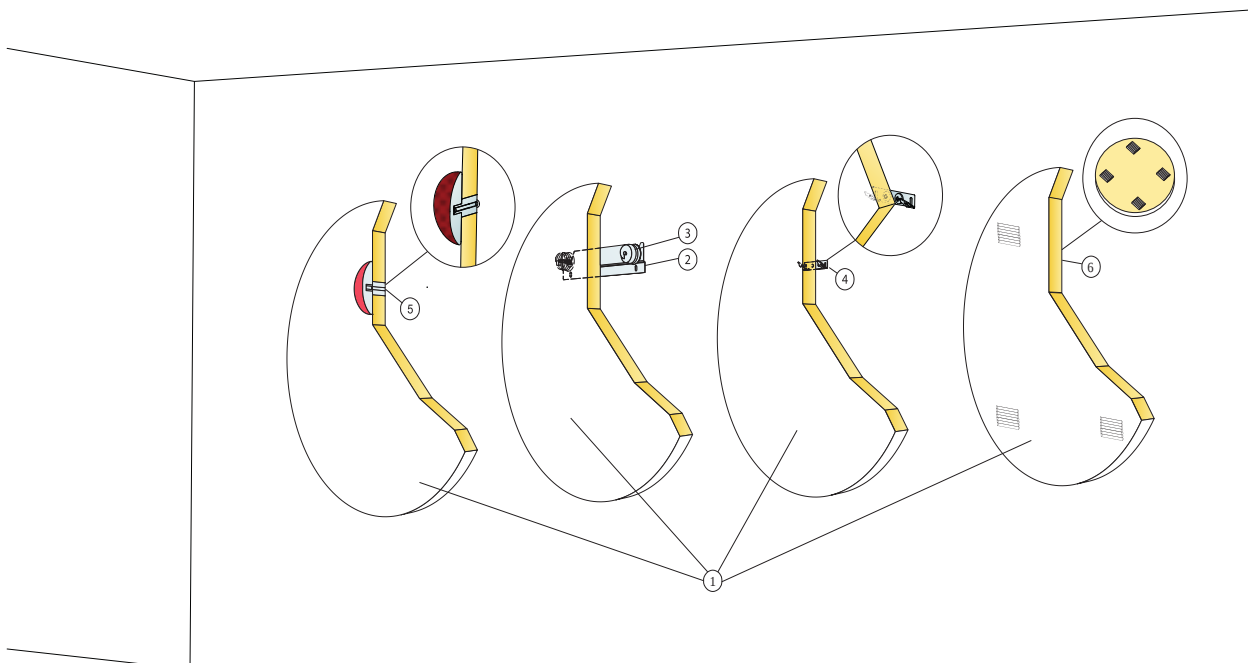
Connect One trim can be divided into two suspension trims



Connect One hook fixing

Application of glue

© Ecophon

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm		
		Ø592	Ø792	Ø1192
1	Akusto One	3,5/m²	2/m²	0,9/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 One fixing	1/panel	1/panel	1/panel
6	Alt. 4 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 / Δ3 40mm The system is demountable	-	-	-
	Δ Min. overall depth of system: Δ4 43 mm. The system is not demountable	-	-	-
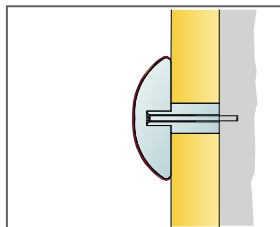
See Quantity specification
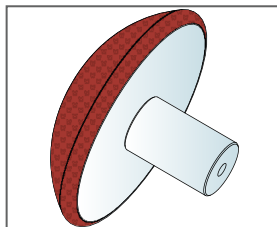
Connect One fixing available in 4 different colours
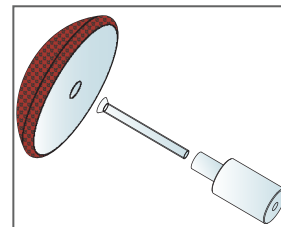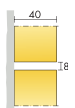

Installation with Connect One fixing

Ecophon Akusto™ Triangle

Ecophon Akusto™ Triangle is a triangle shaped wall panel, offering 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.
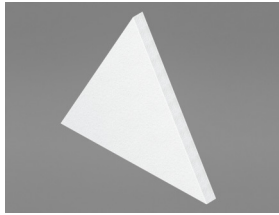
SYSTEM RANGE

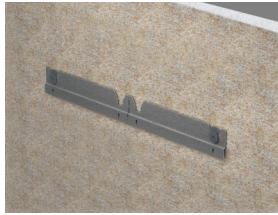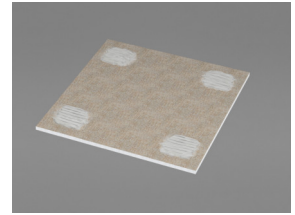| Size, mm	
	513x592
Special Fixing	•
Thickness	40
Inst. Diagr.	M585

Akusto Triangle panel

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

Installation with Connect™ One hook fixing

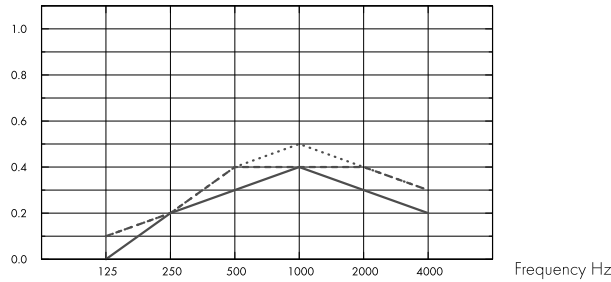Installation with Connect™ Absorber glue

Acoustic

The values in the diagram refer to a single unit.

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 Triangle, 48 mm o.d.s

···· Akusto Triangle, 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	0.3	0.4	0.3	0.2
40	48	0.1	0.2	0.4	0.4	0.4	0.3
40	70	0.1	0.2	0.4	0.5	0.4	0.3

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.

Circularity

Minimum post-consumer recycled content	60%
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

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 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. 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.
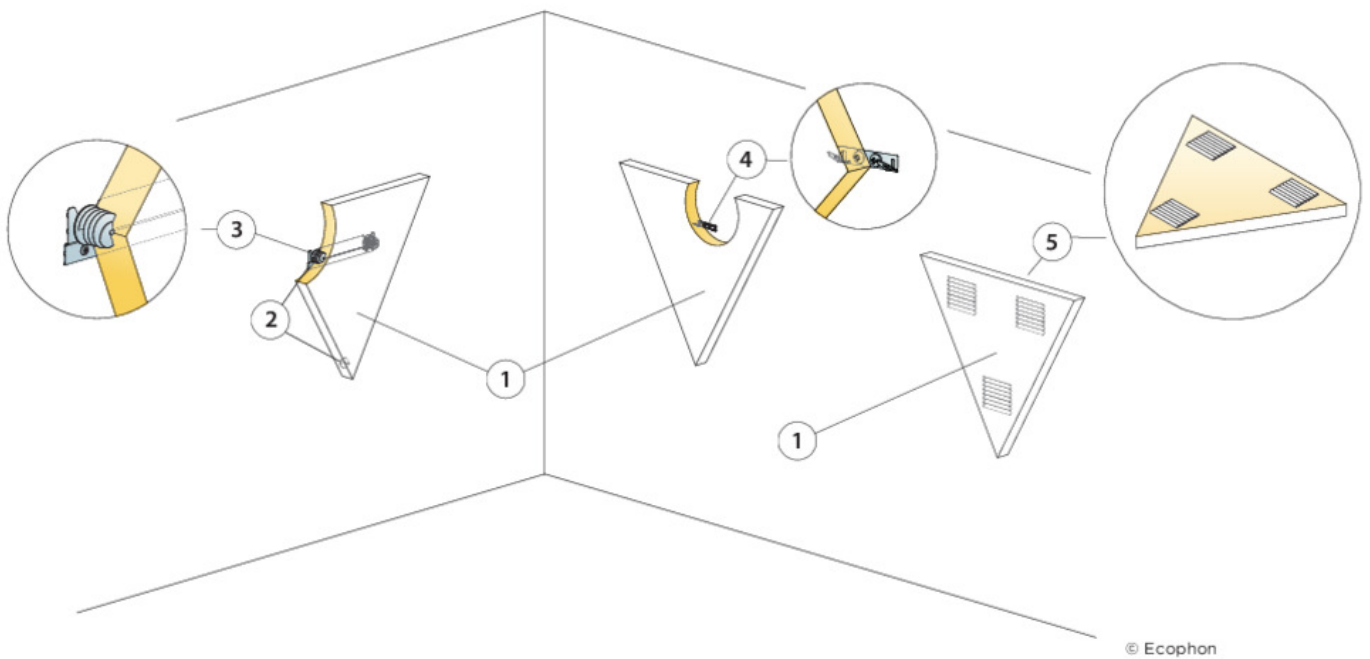
Mechanical properties

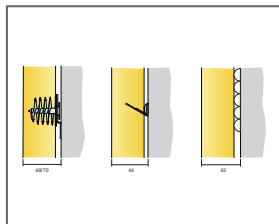No additional live load is allowed.

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)

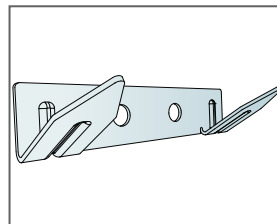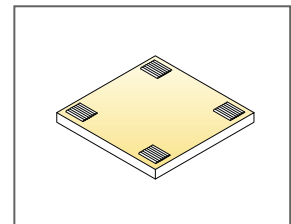|		Size, mm
		513x592
1	Akusto Triangle	3,2/m²
2	Alt. 1 Connect One trim (wall distance included)	0,5/panel
3	Alt. 1 Connect Absorber Anchor One	2/panel
4	Alt. 2 Connect One hook fixing	2/panel
5	Alt. 3 Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions)	as required
	Use 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
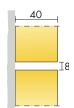

Application of glue

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.
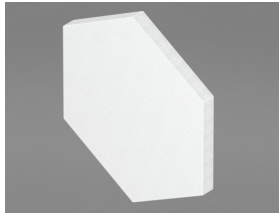
SYSTEM RANGE

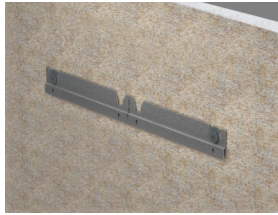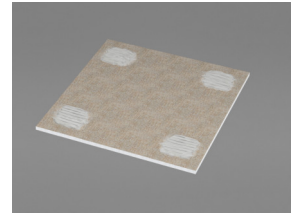| Size, mm	
	513x592
Special Fixing	•
Thickness	40
Inst. Diagr.	M586

Akusto Hexagon panel

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

Installation with Connect™ One hook fixing

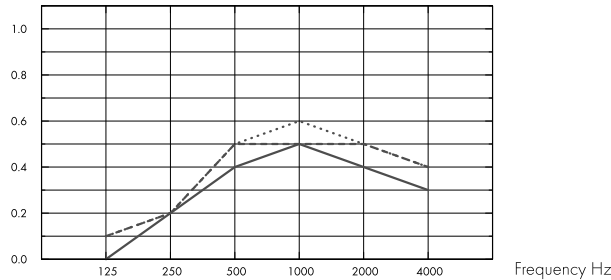Installation with Connect™ Absorber glue

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 Hexagon, 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	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.

Circularity

Minimum post-consumer recycled content	60%
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

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 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. 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.
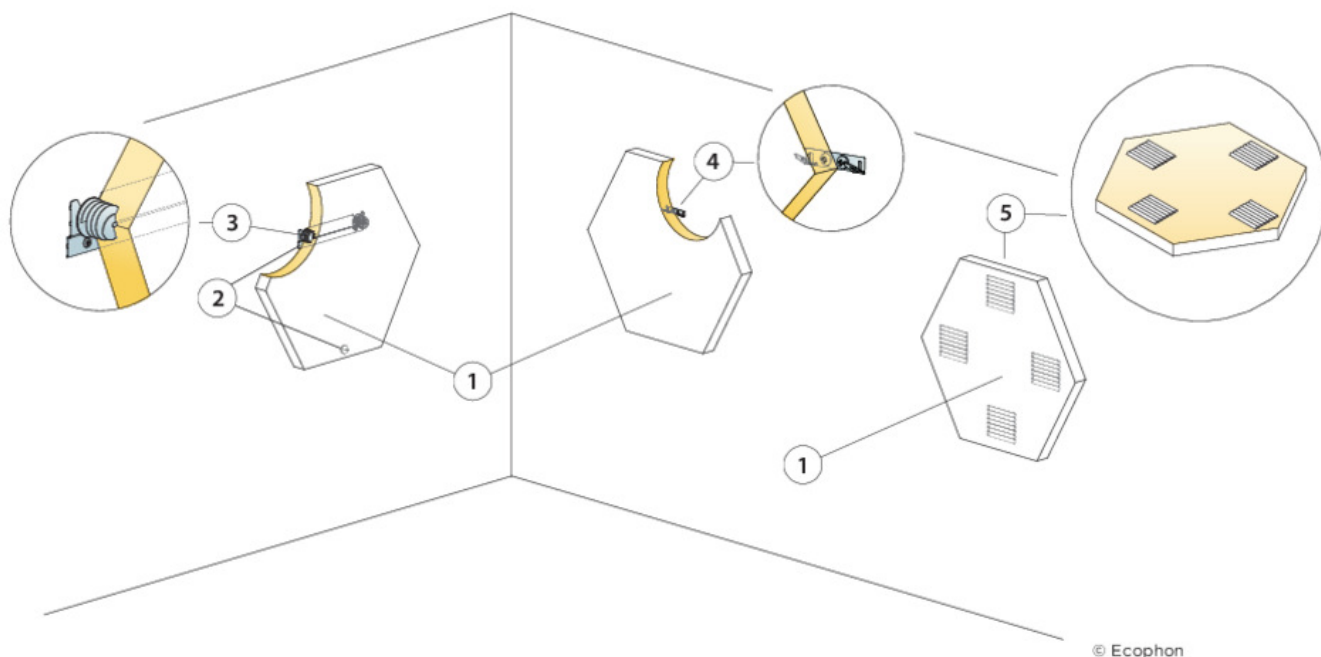
Mechanical properties

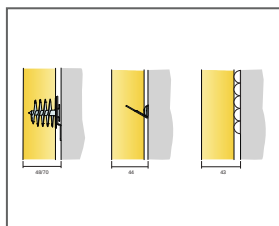No additional live load is allowed.

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)

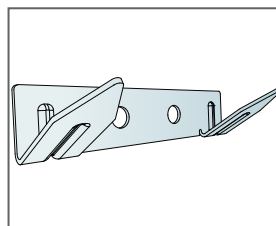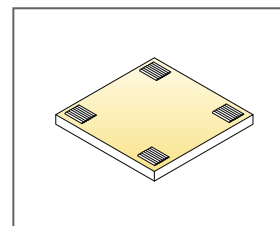|		Size, mm
		513x592
1	Akusto Hexagon	3,2/m²
2	Alt. 1 Connect One trim (wall distance included)	0,5/panel
3	Alt. 1 Connect Absorber Anchor One	2/panel
4	Alt. 2 Connect One hook fixing	2/panel
5	Alt. 3 Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions)	as required
	Use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

Ecophon Akusto™ Screen

Ecophon Akusto™ Screen has an exposed profile system. The size of the product is 1500 x 1200mm, thickness 40 mm. Available in Texona surface. Suitable for open space offices. Combined with a sound absorbing ceiling to achieve excellent acoustic properties in the room.
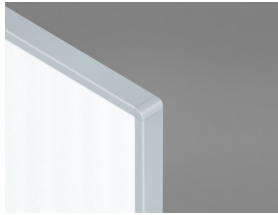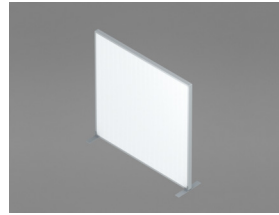

SYSTEM RANGE

Size, mm	
	1500x1200
Freestanding	•
Thickness	40
Inst. Diagr.	M526
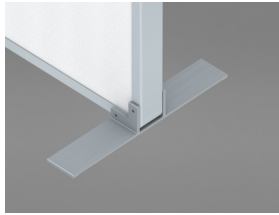
Akusto Floor foot
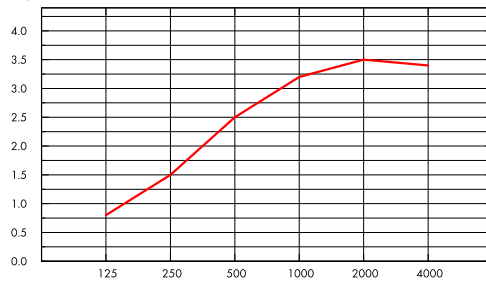

Akusto Floor corner
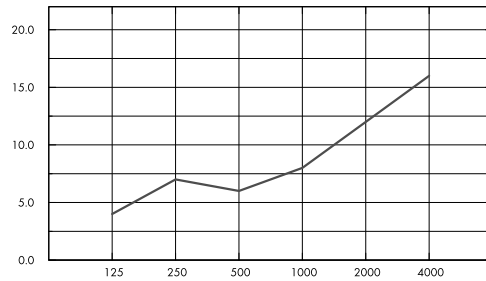

Akusto Screen system

Acoustic

Sound Absorption:

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

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

Frequency Hz

— Akusto Screen, size 1500x1200 mm

Screen sound attenuation ΔLs (dB)

Frequency Hz

— Akusto Screen, size 1500x1200 mm

	THK mm	A_{eq}, Equivalent absorption area per unit (m² 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 ΔLs (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	Standard
French VOC	A

Circularity

Minimum post-consumer recycled content	48%*
Recyclability	Fully recyclable

*this value does not take into account the aluminium frame

Humidity Resistance

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

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.
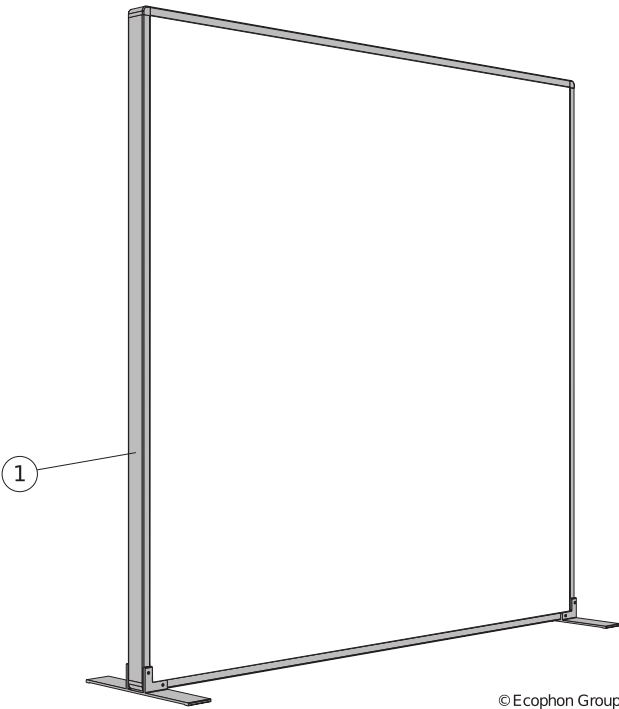
Installation

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 (M515) FOR ECOPHON AKUSTO SCREEN

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QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1500x1200
1	Akusto Screen	-