

## Ecophon Akusto<sup>TM</sup> Wall A

Ecophon Akusto<sup>TM</sup> 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.



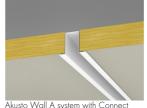
### SYSTEM RANGE



Size, mm	
3.25,	2700x1200
Channel trim	•
Thinline Profile	•
Thickness (THK)	40
Inst. Diagr.	M353, M504, M593, M595









Akusto Wall A system with Connect Channel trim and Connect Recessed

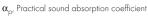
Akusto Wall system with Connect Thinline profiles

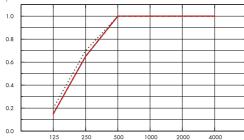
### **Acoustic**



### **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.





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	o.d.s. mm		α <sub>p</sub> , Pra	ctical sound	d absorption	coefficient		$\alpha_{_{\!\scriptscriptstyle{ m W}}}$	Sound absorption class
	mm	O.d.s. IIIII	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\omega_{w}$	Souria absorption class
Akutex FT	40	43	0.20	0.70	1.00	1.00	1.00	1.00	1.00	А
Texona	40	43	0.15	0.65	1.00	1.00	1.00	1.00	1.00	А
Super G	40	43	0.15	0.65	1.00	1.00	1.00	1.00	0.95	А

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

### **Indoor Air Quality**



Certificate / Label			
Eurofins Indoor Air Comfort®	IAC Gold	CRATIFIED	
French VOC	A+		







### 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<sup>TM</sup> at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate<sup>TM</sup> 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.



### **Carbon footprint**

kg CO₂ equiv/m²		L
Akusto Wall A - Texona	4,74 (Akusto Wall A EPD in conformity with ISO 14025 / EN 15804)	
Akusto Wall A - Akutex FT	3,96 (Akusto Wall A EPD in conformity with ISO 14025 / EN 15804)	-
Akusto Wall A - Super G	6,21 (Akusto Wall A EPD in conformity with ISO 14025 / EN 15804)	-

ife-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	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	non comboshible according to £14 to \$14 to \$2.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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).



### 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 frequently will be hit by hard ball shots. In such cases a protective net in front of the system is recommended.



### System weight

	kg/m²
Akusto Wall A/Akutex FT	2,5
Akusto Wall A/Texona	2,5
Akusto Wall A/Super G	2,7

Weight information is indicative and subject to variation.



### **Mechanical properties**

No additional live load is allowed.



### **Impact Resistance**

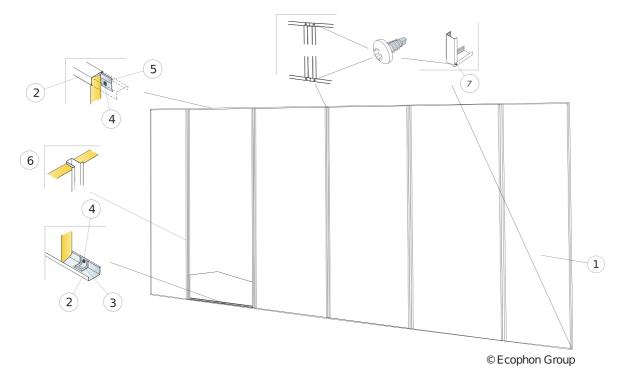
Surface	M-sketch	Classification
Super G	M353	Fulfills

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.

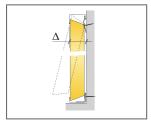


### CE

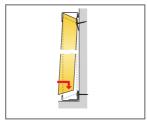
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



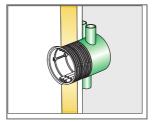
	Size, mm
	2700×1200
Ecophon Akusto Wall A/Super G	0,31/m²
2 Connect Channel trim, fixed at 300 mm centres. Connect Direct fixing plate is placed inside at each fixing point if the panel is not supported by the floor.	as required
3 Connect Direct fixing plate	as required
4 Connect Installation screw MVL (for use in plasterboard or timber)	as required
Connect Fixing bracket, fixed at 400 mm centres.	as required
5 Connect Recessed profile plus	as required
7 Connect Installation screw BR	as required
$\Delta$ Min. overall depth of system: 44 mm	-



See Quantity specification



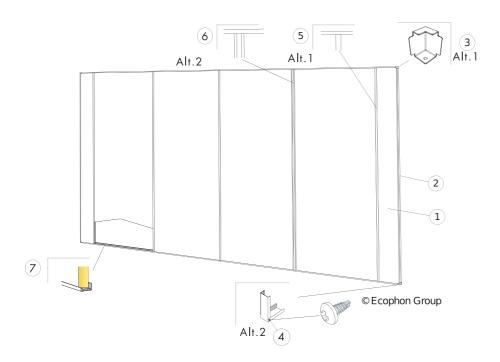
Detail of installation



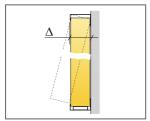
Accesories for adjusting electrical installations are available in electricity retail stores



Live load/load bearing capacity

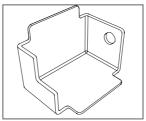


	Size, mm	
	2700×120	
Ecophon Akusto Wall A	0,31/m²	
2 Connect Channel trim, fixed at 300 mm centres. Connect Direct fixing plate is placed inside at each fixing point if the panel is not supported by the floor.	as required	
3 Alt. 1 Connect Channel trim corner	as required	
Connect Installation screw BR	as required	
Alt. 1 Connect T24 Main runner, (Installation: kept in position with the Channel trims)	as required	
Alt. 1 Connect Recessed profile, (Installation; kept in position with the Channel trims)	as required	
Connect WP Space bar, L=2400 mm	as required	
$\Delta$ Min. overall depth of system: 44 mm	-	
Connect Installation screw MVL (for use in plasterboard or timber)	as required	



See Quantity specification

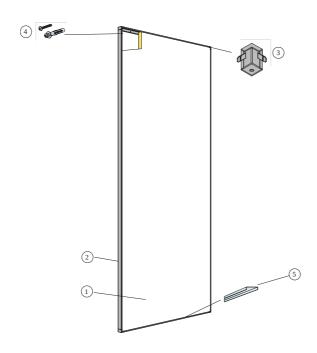




Connect Channel trim corner for 44mm profile

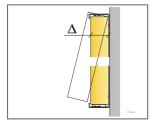


Live load/load bearing capacity

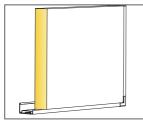


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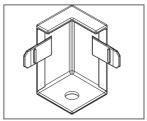
		Size, mm
		2700×1200
1	Ecophon Akusto Wall A	0,31/m²
2	Connect Thinline profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
5	Connect Thinline Space Bar	as required
	$\Delta$ Overall depth of system: 45 mm	-







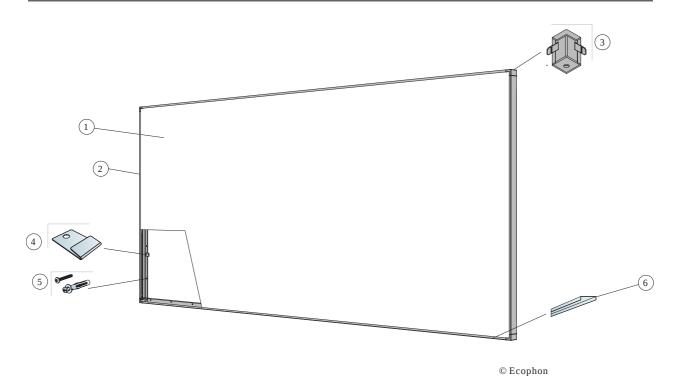
Detail of panel with Thinline system



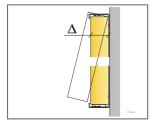
Detail of Thinline corner



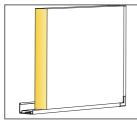
Live load/load bearing capacity



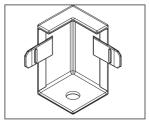
		Size, mm
		2700×1200
1	Ecophon Akusto Wall A	0,31/m²
2	Connect Thinline profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Thinline Locking Clip	as required
5	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
6	Connect Thinline Space Bar	as required
	$\Delta$ Overall depth of system: 45 mm	-







Detail of panel with Thinline system



Detail of Thinline corner



Live load/load bearing capacity



## Ecophon Akusto<sup>TM</sup> Wall 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.

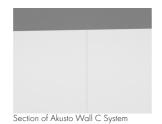


### **SYSTEM RANGE**



Size, mm	2700×600
Thinline Profile	•
WP Profile	•
Thickness (THK)	40
Inst. Diagr.	M609, M354, M355, M592









Wall Panel C system with Connect WP profile and external corner

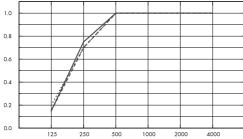
### Acoustic



### **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.





- ···· Akusto Wall C Akutex FT 40 mm, 45 mm o.d.s.
- Akusto Wall C Texona 40 mm, 45 mm o.d.s.
- --- Akusto Wall C Super G 40 mm, 45 mm o.d.s. o.d.s = overall depth of system

	THK	o.d.s. mm		$lpha_{p'}$ Pra	ctical sound	d absorption	coefficient		α	Sound absorption class
	mm	O.d.s. IIIII	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_{\sf w}$	Souria absorption class
Akutex FT	40	45	0.20	0.70	1.00	1.00	1.00	1.00	1.00	А
Texona	40	45	0.15	0.75	1.00	1.00	1.00	1.00	1.00	А
Super G	40	45	0.15	0.70	1.00	1.00	1.00	1.00	1.00	А

Frequency Hz

	THK mm	o.d.s. mm	NRC	SAA
Texona	40	45	0.95	0.96
Super G	40	45	0.95	0.96

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

### Indoo

### **Indoor Air Quality**

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+







### **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.



### **Carbon footprint**

	kg CO2 equiv/m²	Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804
Akusto Wall C - Texona	6,18 (Akusto Wall C EPD in conformity with ISO 14025 / EN 15804)	14023 / EIN 13004
Akusto Wall C - Akutex FT	6,42 (Akusto Wall C EPD in conformity with ISO 14025 / EN 15804)	
Akusto Wall C - Super G	7,28 (Akusto Wall C EPD in conformity with ISO 14025 / EN 15804)	



### Circularity

Minimum post-consumer recycled content	60%
Recyclability	Fully recyclable



### Fire safety

Country	Fire standard	Class	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	non-composible according to ETV 130-1102.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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).



### **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 frequently will be hit by hard ball shots. In such cases a protective net in front of the system is recommended.



### System weight

	kg/m²	Weight information is indicative and subject to variation.
Akusto Wall C/Akutex FT	3,5	
Akusto Wall C/Texona	3,5	
Akusto Wall C/Super G	3,7	



### **Mechanical properties**

No additional live load is allowed.



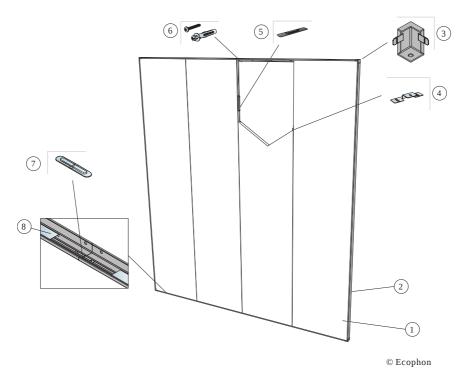
### **Impact Resistance**

Surface	M-sketch	Classification	Tested and classified to fulfil the requirements of DIN 18032- 3, equivalent to 1A according to EN13964.
Super G	M354	Fulfills	o, equivalent to 17 decertaing to 21410704.

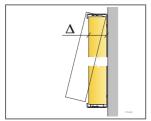


### CE

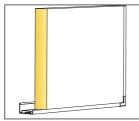
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



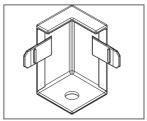
	Size, mm
	2700×600
Akusto Wall C	0,62/m²
Connect Thinline profile, L=2658 mm	as required
Connect Thinline Corner	as required
Connect Fixing Plate installed 3 per panel length	as required
5 Connect Spline	as required
Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
Connect Thinline Splice, used to extend Thinline profiles where needed.	as required
Connect Thinline Space Bar	as required
$\Delta$ Overall depth of system: 45 mm	







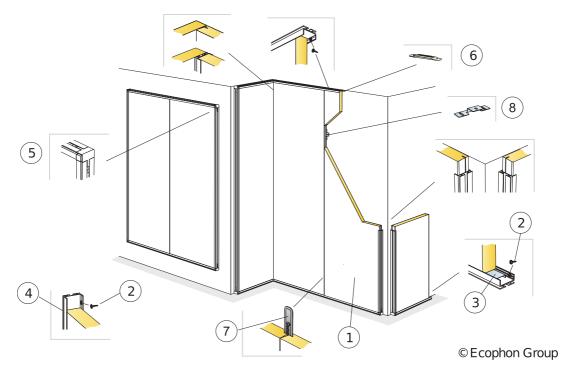
Detail of panel with Thinline system



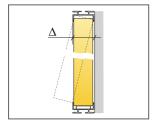
Detail of Thinline corner



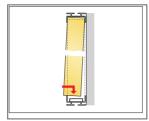
Live load/load bearing capacity



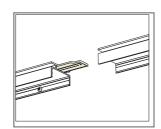
		Size, mm
		2700×600
1	Akusto Wall C (Akusto Wall C/Super G for Ball Impact Resistance)	0,62/m²
2	Connect Installation screw MVL (for use in plasterboard or timber)	as required
3	Connect WP Space bar, L=2400 mm	as required
4	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
5	Connect 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 length	as required
	$\Delta$ Min. overall depth of system: 44 mm	-







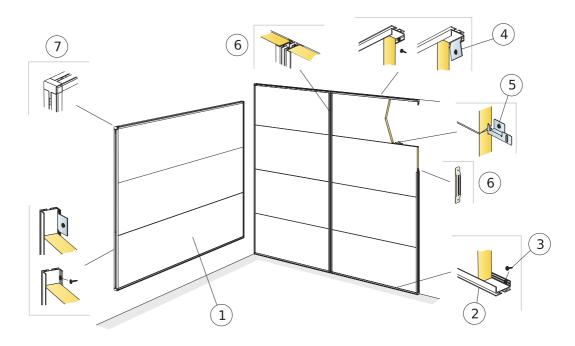
Detail of installation



Detail of WP Profile splice

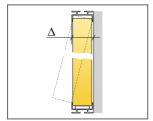


Live load/load bearing capacity

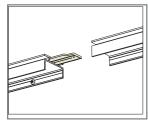


### © Ecophon Group

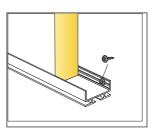
		Size, mm
		2700×600
1	Akusto Wall C	0,62/m²
2	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
3	Connect Installation screw MVL (for use in plasterboard or timber)	as required
4	Alt. Connect Fixing bracket, fixed at 400 mm centres.	as required
5	Connect Fixing Plate installed 3 per panel length	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
	$\Delta$ Min. overall depth of system: 44 mm	







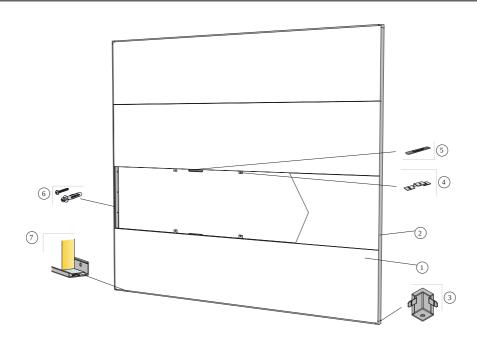
Detail of WP Profile splice



Detail of lower connection

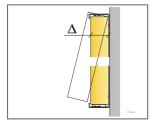


Live load/load bearing capacity

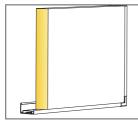


© Ecophon

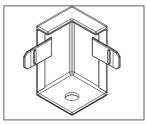
		Size, mm
		2700×600
1	Akusto Wall C	0,62/m²
2	Connect Thinline profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Fixing Plate installed 3 per panel length	as required
5	Connect Spline	as required
6	Installation screw, installed at 400 mm centres (select fastener according to wall material)	as required
7	Connect Thinline Space Bar	as required
	$\Delta$ Overall depth of system: 45 mm	-







Detail of panel with Thinline system



Detail of Thinline corner



Live load/load bearing capacity



## Ecophon Akusto™ Wall C Extra Bass

Ecophon Akusto<sup>TM</sup> 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.



### **SYSTEM RANGE**



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









Akusto Wall C

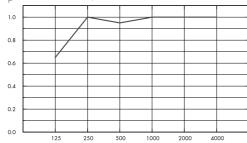
### **Acoustic**



### **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.

 $\alpha_{_{\text{D}^{\prime}}}$  Practical sound absorption coefficient



o.d.s = overall depth of system

- Akusto Wall C Extra Bass 80 mm, 80 mm o.d.s.

Frequency Hz

	THK o.d.s. mm			$lpha_{p'}$ Pro	ictical sound	d absorption	coefficient		α	Sound absorption class
	mm	0.u.s. IIIIII	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	$\alpha_{w}$	Sound absorption class
Extra Bass	80	80	0.65	1.00	0.95	1.00	1.00	1.00	1.00	А

	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 Gold
French VOC	A+





## Carbon footprint



	kg CO2 equiv/m²
Akusto Wall C Extra Bass/Texona	7,42
Akusto Wall C Extra Bass/Akutex FT	<i>7</i> ,26
Akusto Wall C Extra Bass/Super G	8,74

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	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	non-composible decorating to ET4 100 TT02.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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 surface).



### 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.



### Installation

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



### System weight

	kg/m²	Weight information is indicative and subject to variation.
Akusto Wall C/Akutex FT	3,5	_
Akusto Wall C/Texona	3,5	
Akusto Extra Bass	1,2	



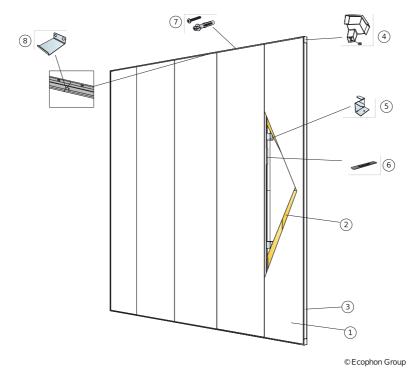
### **Mechanical properties**

No additional live load is allowed.

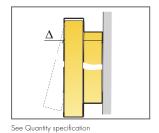


### CE

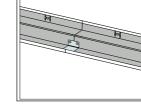
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



		Size, mm	
		2700×600	
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	
5	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	





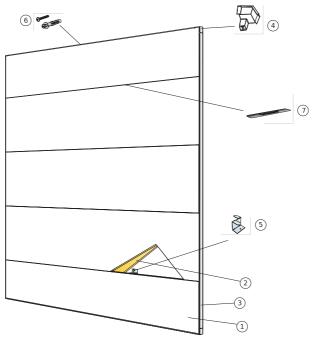




Detail of panel with Thinline system

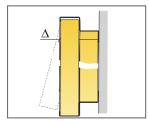
Detail of panel with Thinline system

Live load/load bearing capacity

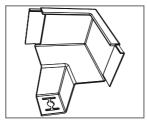


© Ecophon Group

	Size, mm
	2700×600
Akusto Wall C	0,62/m²
Akusto Extra Bass	1,25/m²
Connect Shadow Profile	as required
Connect Shadow Corner (Incl. washer for leveling)	as required
Connect Ambit fixing installed at 1000 mm centres	as required
Installation screw, installed at 200 mm centres (select fastener according to wall material)	as required
Connect Spline	as required
Connect Shadow Splice. Used to extend profiles where needed.	as required
	Akusto Extra Bass  Connect Shadow Profile  Connect Shadow Corner (Incl. washer for leveling)  Connect Ambit fixing installed at 1000 mm centres  Installation screw, installed at 200 mm centres (select fastener according to wall material)  Connect Spline



See Quantity specification



Detail of panel with Thinline system



Live load/load bearing capacity



# Ecophon Akusto™ Wall C Akutex HS

Ecophon Akusto<sup>TM</sup> 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 (THK)	40
Inst. Diagr.	M594C4







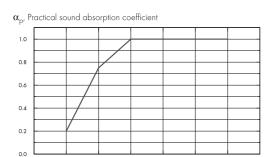
Section of Akusto Wall C Akutex HS System

Acoustic



### **Sound Absorption:**

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



Akusto Wall C Akutex HS 40 mm, 50 mm o.d.s.o.d.s = overall depth of system

Frequency Hz

	THK	o.d.s. mm		$lpha_{p'}$ Pra	ctical sound	d absorption	coefficient		$\alpha_{_{\!\scriptscriptstyle{\mathrm{W}}}}$	Sound absorption class
	mm	O.d.s. IIIIII	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	w.	<del>Journa abso</del> rption class
Akutex HS	40	50	0.20	0.75	1.00	1.00	1.00	1.00	1.00	А

ı		THK mm	o.d.s. mm	NRC	SAA
	Akutex HS	40	50	0.95	0.96

### Indoor Air Quality



Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+







### **Carbon footprint**

kg CO<sub>2</sub> equiv/m<sup>2</sup> Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

Akusto Wall C - Akutex HS 7,77



### Circularity

Minimum post-consumer recycled content	60%
Recyclability	Fully recyclable



### Fire safety

Country	Fire standard	Class	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	non composible according to 21 vido 1102.



### **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 frequently will be hit by hard ball shots. In such cases a protective net in front of the system is recommended.



### System weight

	kg/m²	Weight information is indicative and subject to variation.
Akusto Wall C Akutex HS	3,6	



### **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**

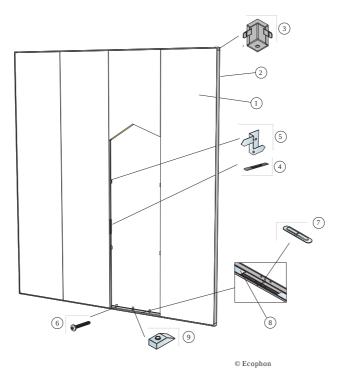


This product has received a C2C Certified Material Health Certificate<sup>™</sup> at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate<sup>™</sup> is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.

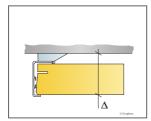


### CE

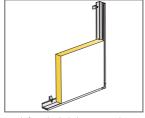
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



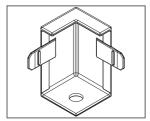
		Size, mm
		2700×600
1	Akusto Wall C Akutex HS	0,62/m²
2	Connect Thinline profile, L=2658 mm	as required
3	Connect Thinline Corner	as required
4	Connect Spline	as required
5	Connect Thinline Fixing C4, for panel support every 1000 mm	as required
6	Installation screw C4, installed at 200 mm centres (select 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
	$\Delta$ 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<sup>TM</sup> 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.



### **SYSTEM RANGE**

40	Size, mm						
18		Ø592	592×592	Ø792	Ø1192	1192×292	1192×592
	Special Fixing	•	•	•	•	•	•
	Thickness (THK)	40	40	40	40	40	40
	Inst. Diagr.	M372	M371	M372	M372	M371	M371

© Saint-Gobain Ecophon AB Ecophon Akusto<sup>TM</sup> One, 2025-01-16



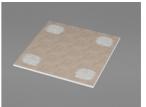




Installation with Connect™ One trim and Connect™ Absorber anchor one



Installation with Connect™ One hook fixing



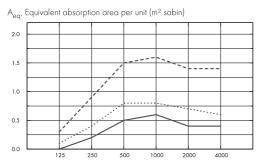
Installation with Connect™ Absorber glue

### Acoustic

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

### **Sound Absorption:**

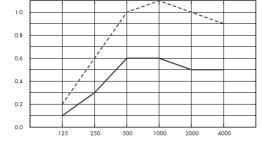
Test results according to EN ISO 354.



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

Frequency Hz

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	o.d.s. mm	A <sub>eq</sub> , Equivalent absorption area per unit (m² sabin)						
	mm	o.u.s. IIIII	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	a d a mm	A <sub>eq</sub> , Equivalent absorption area per unit (m² sabin)						
	mm	o.d.s. mm	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
592×592	40	48	0.1	0.3	0.6	0.6	0.5	0.5	
1192×292	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 Gold
French VOC	A+







### 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<sup>TM</sup> at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate<sup>TM</sup> 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.



### **Carbon footprint**

	kg CO2 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	The glass wool core of the tiles is tested and classified on non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1.d0	Horreomboshible decorating to ETV 100 TT02.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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 surface).



### Accessibility

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



#### Installation

Installed according to installation diagrams, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



### System weight

	kg/m²	١
Akusto One/Akutex FT	3,5	
Akusto One/Texona	3,6	
Akusto Freedom	3,5	

Weight information is indicative and subject to variation.



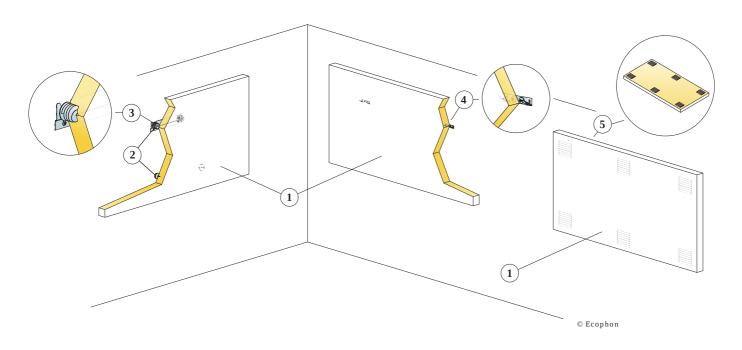
### **Mechanical properties**

No additional live load is allowed.

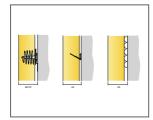


#### CE

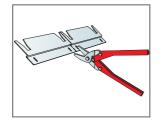
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



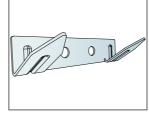
	Size, mm	Size, mm	
	592×592	1192×292	1192×592
Akusto One	2,8/m²	2,8/m²	1,4/m²
Alt. 1 Connect One trim (wall distance included)	0,5/panel	1/panel	1/panel
Alt. 1 Connect Absorber anchor one	2/panel	2/panel	2/panel
Alt. 2 Connect One hook fixing	2/panel	2/panel	2/panel
Alt. 3 Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions)	as required	as required	as required
Use Connect Notched spatula to apply the glue.	-	-	-
$\Delta$ Min. overall depth of system: $\Delta 1$ 48 mm/70mm / $\Delta 2$ 44 mm The system is demountable	-	-	-
$\Delta$ Min. overall depth of system: $\Delta 3$ 43 mm. The system is not demountable	-	-	-



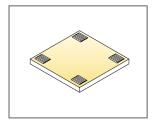
See Quantity specification



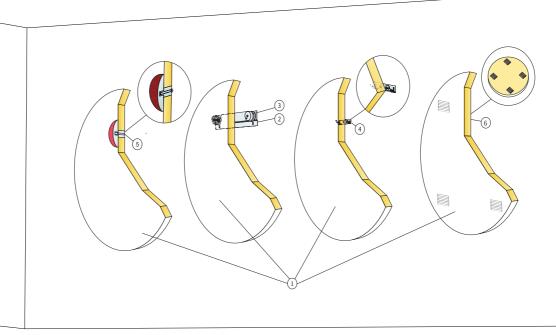
Connect One trim can be divided into two suspension trims



Connect One hook fixing

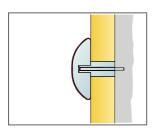


Application of glue

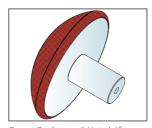


© Ecophon

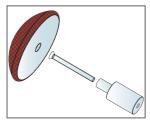
	Size, mm	Size, mm	
	Ø592	Ø792	Ø1192
Akusto One	3,5/m²	2/m²	0,9/m²
Alt. 1 Connect One trim (wall distance included)	0,5/panel	1/panel	1/panel
Alt, 1 Connect Absorber anchor one	2/panel	2/panel	2/panel
Alt. 2 Connect One hook fixing	2/panel	2/panel	2/panel
Alt. 3 Connect One fixing	1/panel	1/panel	1/panel
Alt. 4 Connect Absorber glue [0,25  /m² - 0,4  /m² depending on installation conditions]	as required	as required	as required
Use Connect Notched spatula to apply the glue.	-	-	-
$\Delta$ Min. overall depth of system: $\Delta$ 1 48 mm/70mm / $\Delta$ 2 44 mm / $\Delta$ 3 40mm The system is demountable	-	-	-
$\Delta$ Min. overall depth of system: $\Delta4$ 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 fixation or use Connect One Trim that has two different distance choices enabling 3-dimensional patterns.



### **SYSTEM RANGE**

40	Size, mm	513x592
	Special Fixing	•
	Thickness (THK)	40
	Inst. Diagr.	M585



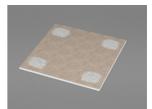
Akusto Triangle panel



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



Installation with Connect™ One hook fixing



Installation with Connect™ Absorber glue

### Acoustic

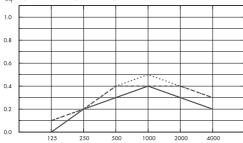


The values in the diagram refer to a single unit.

### **Sound Absorption:**

Based on test results according to EN ISO 354.

 $A_{\rm eqr} \, \, \overline{\text{Equivalent absorption area per unit (m² sabin)}}$ 



Frequency Hz

- 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	o.d.s. mm		$A_{eq'}$	Equivalent absor	ption area per unit (	m² sabin)	
mm	0.0.5. 111111	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	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+







### 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.



### **Carbon footprint**

kg CO₂ equiv/m²		Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804
Akusto Triangle	1,06	14023 / EIV 13004



### Circularity

Minimum post-consumer recycled content	60%
Recyclability	Fully recyclable



### Fire safety

Country	Fire standard	Class	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	Holl composible decording to 21 1100 1102.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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. For more info see Colours and surfaces.



### Accessibility

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



### Installation

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



### System weight

	kg/m²	Weight information is indicative and subject to variation.
Akusto Triangle	3,5	



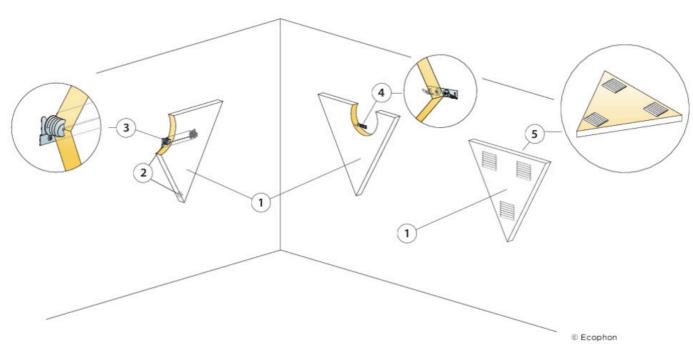
### **Mechanical properties**

No additional live load is allowed.

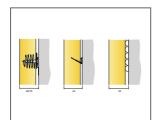


### CE

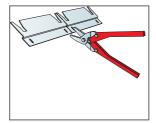
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



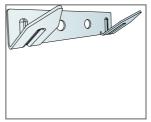
	Size, mm
	513x592
Akusto Triangle	3,2/m²
Alt. 1 Connect One trim (wall distance included)	0,5/panel
Alt. 1 Connect Absorber anchor one	2/panel
Alt, 2 Connect One hook fixing	2/panel
Alt. 3 Connect Absorber glue (0,25 $I/m^2$ - 0,4 $I/m^2$ depending on installation conditions)	as required
Use Connect Notched spatula to apply the glue.	
$\Delta$ Min. overall depth of system: $\Delta$ 1 48 mm/70mm / $\Delta$ 2 44 mm The system is demountable	
$\Delta$ Min. overall depth of system: $\Delta 3$ 43 mm. The system is not demountable	
	Alt. 1 Connect One trim (wall distance included)  Alt. 1 Connect Absorber anchor one  Alt. 2 Connect One hook fixing  Alt. 3 Connect Absorber glue (0,25 1/m² - 0,4 1/m² depending on installation conditions)  Use Connect Notched spatula to apply the glue.



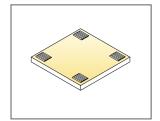
See Quantity specification



Connect One trim can be divided into two suspension trims



Connect One hook fixing



Application of glue



# Ecophon Akusto™ Hexagon

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



### **SYSTEM RANGE**

40	Size, mm	513x592
	Special Fixing	•
	Thickness (THK)	40
	Inst. Diagr.	M586



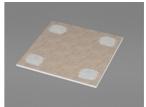
Akusto Hexagon panel



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



Installation with Connect™ One hook fixing



Installation with Connect™ Absorber glue

### Acoustic

### - 1

The values in the diagram refer to a single unit.

### **Sound Absorption:**

Based on test results according to EN ISO 354.

A<sub>eqr</sub> Equivalent absorption area per unit (m² sabin)

1.0

0.8

0.6

0.4

0.2

- 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

Frequency	Hz

THK	o.d.s. mm	A <sub>eq</sub> , Equivalent absorption area per unit (m² sabin)					
mm	0.0.5. 111111	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	43	0.0	0.2	0.4	0.5	0.4	0.3
40	48	0.1	0.2	0.5	0.5	0.5	0.4
40	70	0.1	0.2	0.5	0.6	0.5	0.4



### **Indoor Air Quality**

Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+







### 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.



### **Carbon footprint**

kg CO2 equiv/m²		Life-cycle stages A1 to C4 from EPD, in conformity with ISC 14025 / EN 15804
Akusto Hexagon	1,43	— 14023 / LIN 13004



### Circularity

Minimum post-consumer recycled content	60%
Recyclability	Fully recyclable



### Fire safety

Country	Fire standard	Class	The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.
Europe	EN 13501-1	A2-s1,d0	non-combosiisie decoranig io El Vio el 1102.



### **Humidity Resistance**

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



### Visual appearance

Akusto 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. For more info see Colours and surfaces.



### Accessibility

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



### Installation

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



### System weight

	kg/m²	Weight information is indicative and subject to variation.
Akusto Hexagon	3,5	



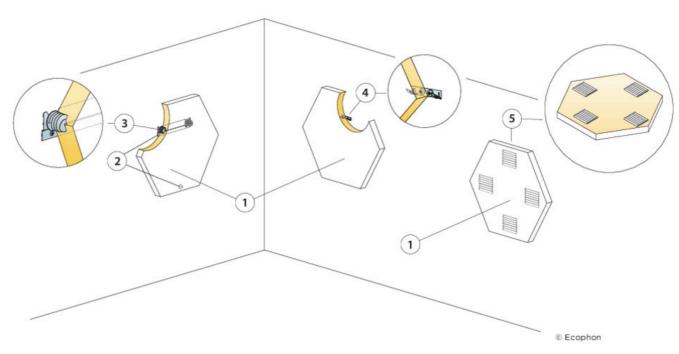
### **Mechanical properties**

No additional live load is allowed.

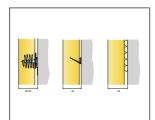


### CE

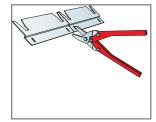
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



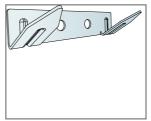
	Size, mm
	513x592
Akusto Hexagon	3,2/m²
Alt. 1 Connect One trim (wall distance included)	0,5/panel
Alt. 1 Connect Absorber anchor one	2/panel
Alt. 2 Connect One hook fixing	2/panel
Alt. 3 Connect Absorber glue [0,25  /m² - 0,4  /m² depending on installation conditions]	as required
Use Connect Notched spatula to apply the glue.	
$\Delta$ Min. overall depth of system: $\Delta 1$ 48 mm/70mm / $\Delta 2$ 44 mm The system is demountable	-
$\Delta$ Min. overall depth of system: $\Delta 3$ 43 mm. The system is not demountable	-
	Alt. 1 Connect One trim (wall distance included)  Alt. 1 Connect Absorber anchor one  Alt. 2 Connect One hook fixing  Alt. 3 Connect Absorber glue (0,25 1/m² - 0,4 1/m² depending on installation conditions)  Use Connect Notched spatula to apply the glue.



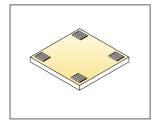
See Quantity specification



Connect One trim can be divided into two suspension trims



Connect One hook fixing



Application of glue

## Ecophon Akusto™ Screen

Ecophon Akusto<sup>TM</sup> 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.



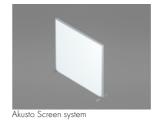
### **SYSTEM RANGE**

	Size, mm	1500x1200		
	Freestanding	•		
	Thickness (THK)	40		
	Inst. Diagr.	M564		

© Saint-Gobain Ecophon AB Ecophon AB Ecophon Akusto<sup>™</sup> Screen, 2024-12-09







Akusto Floor Screen

Akusto Floor corner

Acoustic



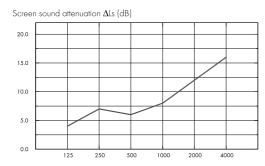
### **Sound Absorption:**

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



Akusto Screen, size 1500x1200 mm

Frequency Hz



- Akusto Screen, size 1500x1200 mm

Frequency Hz

	THK	A <sub>eq</sub> , Equivalent absorption area per unit (m² sabin)							
	mm	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	Screen sound attenuation $\Delta$ Ls (dB)						Weighted screen sound attenuation (dB)
	mm	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	vveignied scieen sound dilenuation (ab)
1500x1200	40	4.0	7.0	6.0	8.0	12.0	16.0	10.0

### **Indoor Air Quality**



Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+





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### Circularity

Minimum post-consumer recycled content	48%*	*this value does not take into account the aluminium frame		
Recyclability	Fully recyclable			



### **Humidity Resistance**

Class A, relative humidity 70% and 25  $^{\circ}\text{C}$ , 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.

