

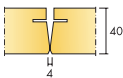
Ecophon Akusto™ Wall C

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.

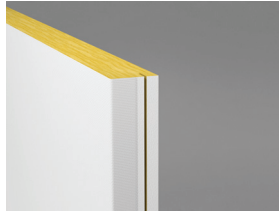


Kliniken Maria Hilf, Mönchengladbach, Germany

SYSTEM RANGE



Size, mm	2700x600
Thinline Profile	•
WP Profile	•
Thickness (THK)	40
Inst. Diag.	M354, M356, M355, M235, M303



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

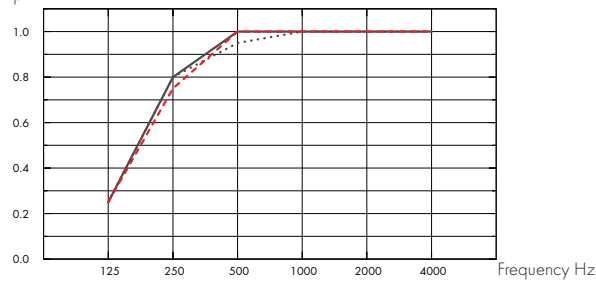


Acoustics

Sound Absorption:

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

α_p Practical sound absorption coefficient



... Akusto Wall C Akutex FT 40 mm, 50 mm o.d.s.

– Akusto Wall C Texona 40 mm, 50 mm o.d.s.

--- Akusto Wall C Super G 40 mm, 50 mm o.d.s.

o.d.s = overall depth of system

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

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



Indoor Air Quality

Certificate / Label	Akutex FT	Super G	Texona
French VOC, A+	•		•
French VOC, A		•	
Finnish M1	•	•	•



Circularity

Fully recyclable.



Fire safety

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.



Humidity Resistance

Class A, relative humidity 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).



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.



Mechanical properties

No additional live load is allowed.



Impact Resistance

Surface	M-sketch	Class
Super G	M354	Fulfills

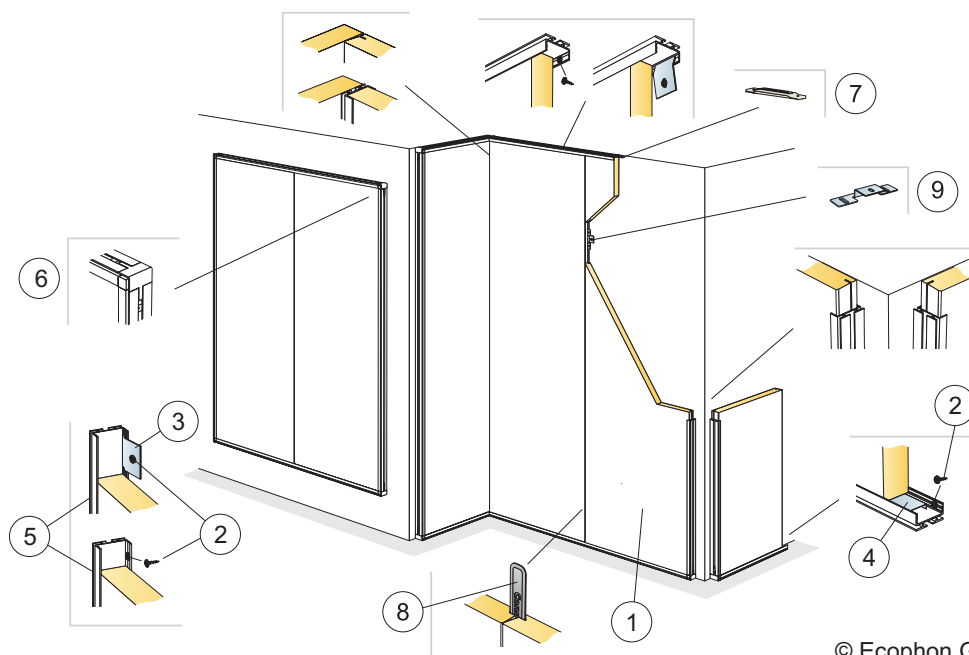
Tested and classified according to EN 13964 annex D and fulfills the demands corresponding to DIN 18032 part 3.



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 (M354) FOR ECOPHON AKUSTO WALL C VERTICAL INSTALLATION

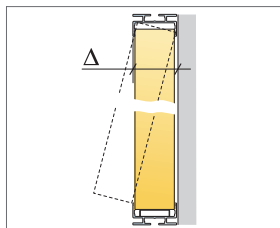


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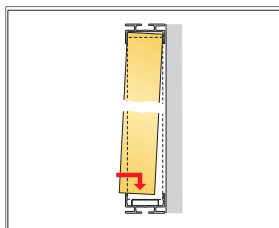
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m ²
2	Connect Installation screw MVL (for use in plasterboard or timber)	as required
3	Alt. Connect Fixing bracket, fixed at 400 mm centres.	as required
4	Connect WP Space bar, L=2400 mm	as required
5	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
6	Connect WP External corner mounted in Connect WP Profile	as required
7	Connect WP Profile splice. used to extend WP profiles where needed.	as required
8	Connect Spline	as required
9	Connect Fixing plate, installed at 500 mm centres	as required

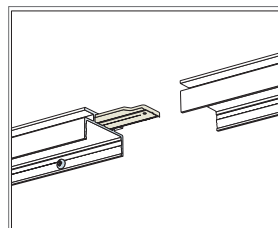
Δ Min. overall depth of system: 44 mm



See Quantity specification



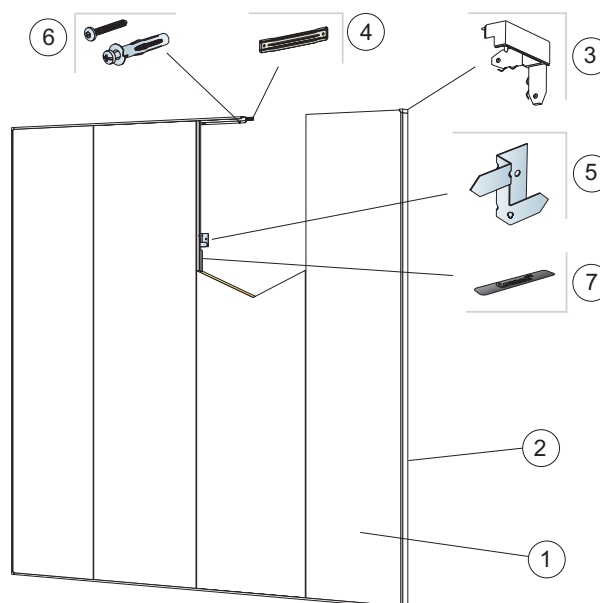
Detail of installation



Detail of WP Profile splice

Size, mm	Max live load [N]	Min load bearing capacity [N]
2700x600	0	-

Live load/load bearing capacity

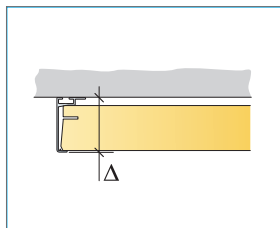


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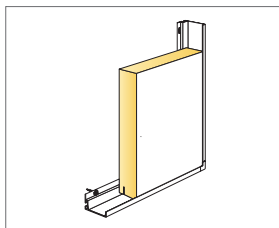
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m ²
2	Connect Thinline Profile, L=2678 mm	as required
3	Connect Thinline Corner	as required
4	Connect Thinline Splice. used to extend Thinline profiles where needed.	as required
5	Connect Ambit fixing, for panel support every 1.000 mm	as required
6	Installation screw, installed at 200 mm centres (select fastener according to wall material)	as required
7	Connect Spline	as required

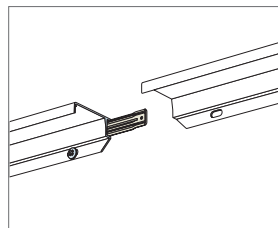
Δ Overall depth of system: 49 mm



See Quantity specification



Detail of panel with Thinline system

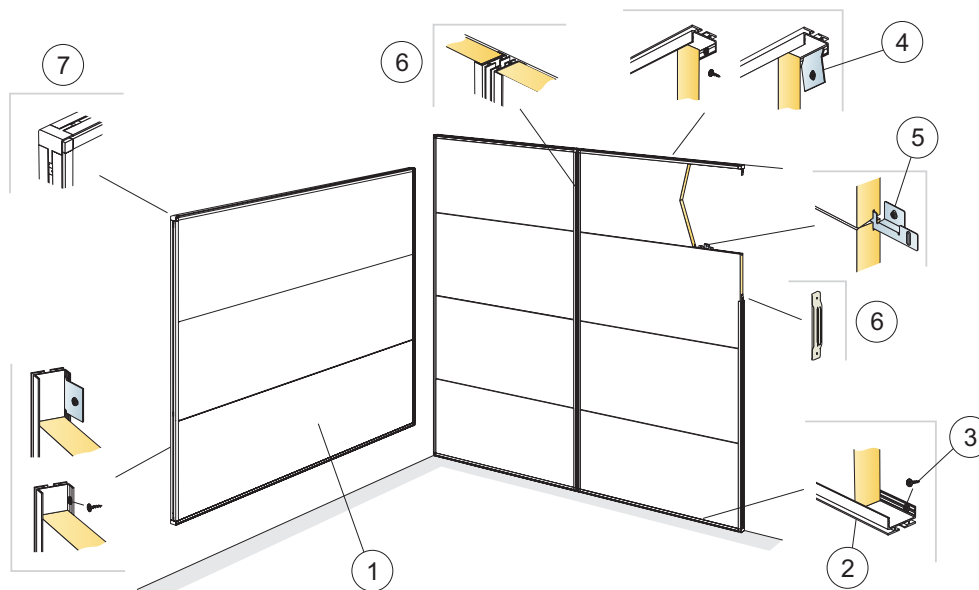


Detail of Thinline splice

Size, mm	Max live load [N]	Min load bearing capacity [N]
2700x600	0	-

Live load/load bearing capacity

INSTALLATION DIAGRAM (M355) FOR ECOPHON AKUSTO WALL C HORIZONTAL INSTALLATION

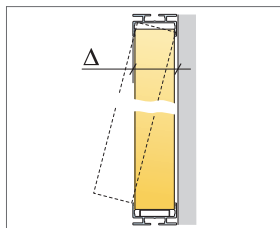


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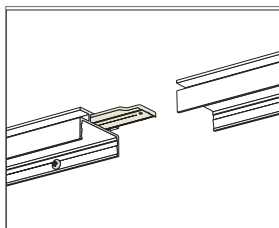
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m ²
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 at 500 mm centres	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

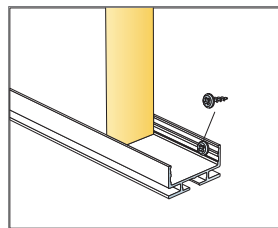
Δ Min. overall depth of system: 44 mm



See Quantity specification



Detail of WP Profile splice

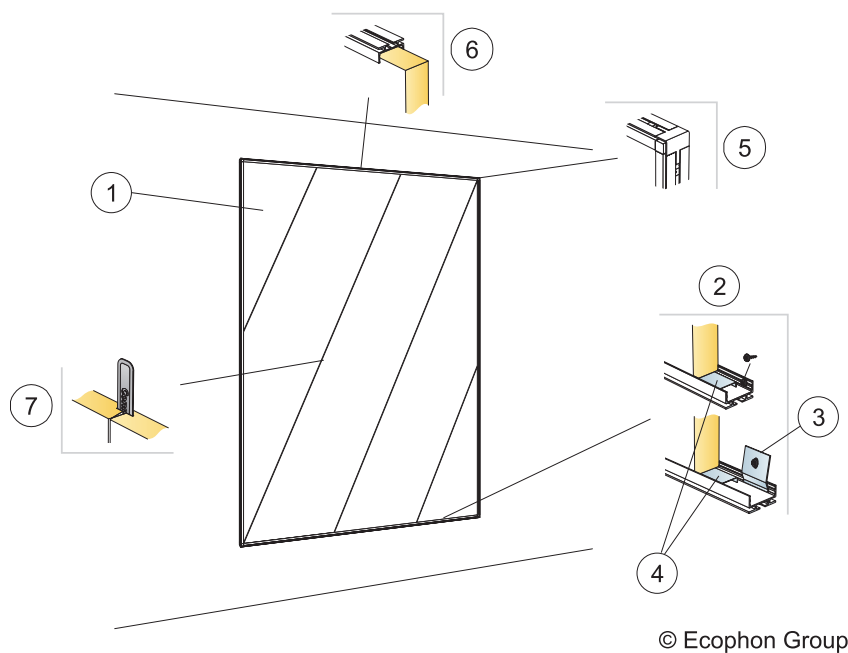


Detail of lower connection

Size, mm	Max live load [N]	Min load bearing capacity [N]
2700x600	0	-

Live load/load bearing capacity

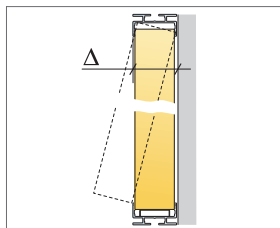
INSTALLATION DIAGRAM (M235) FOR ECOPHON AKUSTO WALL C DIAGONAL INSTALLATION



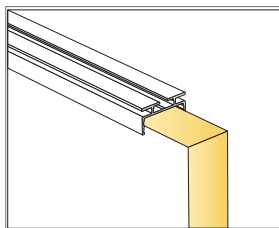
QUANTITY SPECIFICATION (EXCL. WASTAGE)

Size, mm		
2700x600		
1	Akusto Wall C	0,62/m ²
2	Connect WP Profile, L=2687 mm, fixed (alt. with Connect Fixing bracket), at 400 mm centres, with Connect WP Space bar, L=2400 mm	as required
3	Alt. 1: Connect Fixing bracket, fixed at 400 mm centres.	as required
4	Connect WP Space bar, L=2400 mm	as required
5	Connect WP External corner mounted in Connect WP Profile	as required
6	Connect WP Profile, L=2687 mm, fixed at 400 mm centres	as required
7	Joint between panels (Connect Spline can be used to secure the panels)	as required

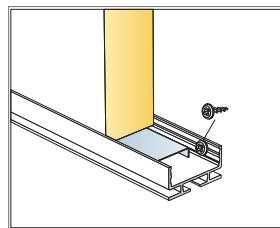
Δ Min. overall depth of system: 44 mm



See Quantity specification



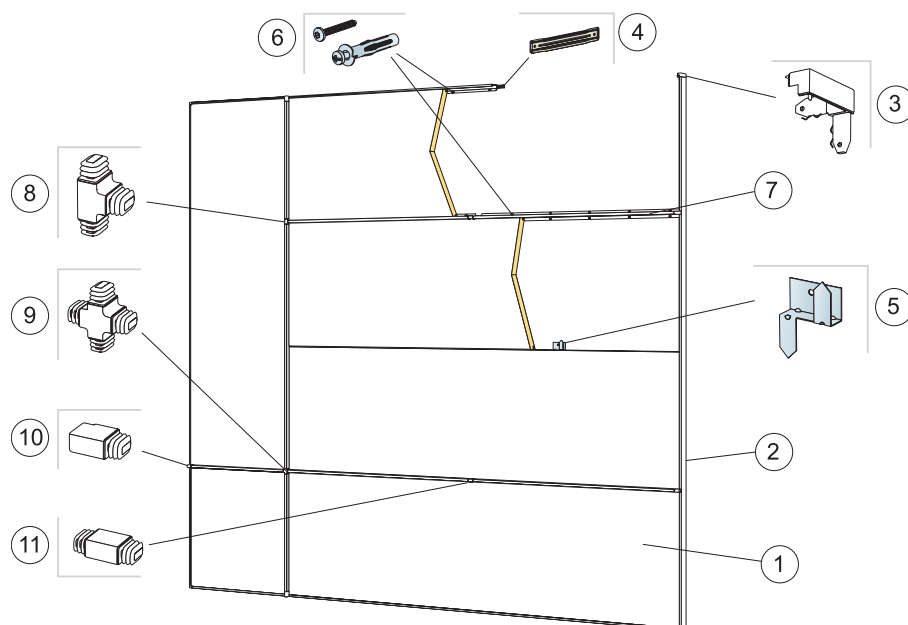
Detail of upper connection



Detail of lower connection

Size, mm	Max live load [N]	Min load bearing capacity [N]
2700x600	0	-

Live load/load bearing capacity

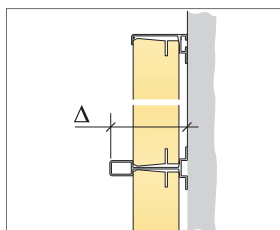


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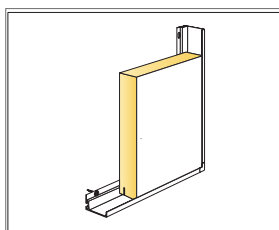
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		2700x600
1	Akusto Wall C	0,62/m²
2	Connect Thinline Profile, L=2678 mm	as required
3	Connect Thinline Corner	as required
4	Connect Thinline Splice, used to extend Thinline profiles where needed.	as required
5	Connect Ambit fixing, for panel support every 1000 mm	as required
6	Installation screw, installed at 200 mm centres (select fastener according to wall material)	as required
7	Connect Structure profile, used to highlight or divide into patterns (optional), L=2700 mm	as required
8	Connect Structure T-junction, used to create a meeting between 3 structure profiles (optional)	as required
9	Connect Structure X-junction, used to create a meeting between 4 structure profiles (optional)	as required
10	Connect Structure ending, used at the ends of the Structure profiles (optional)	as required
11	Connect Structure I-junction, used to extend Structure profiles (optional)	as required

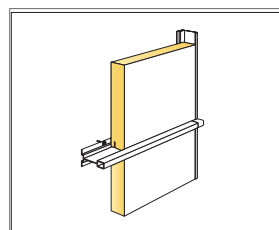
Δ Overall depth of system: 67 mm



See Quantity specification



Detail of panel with Thinline system



Detail of panel with Structure profile

Size, mm	Max live load [N]	Min load bearing capacity [N]
2700x600	0	-

Live load/load bearing capacity