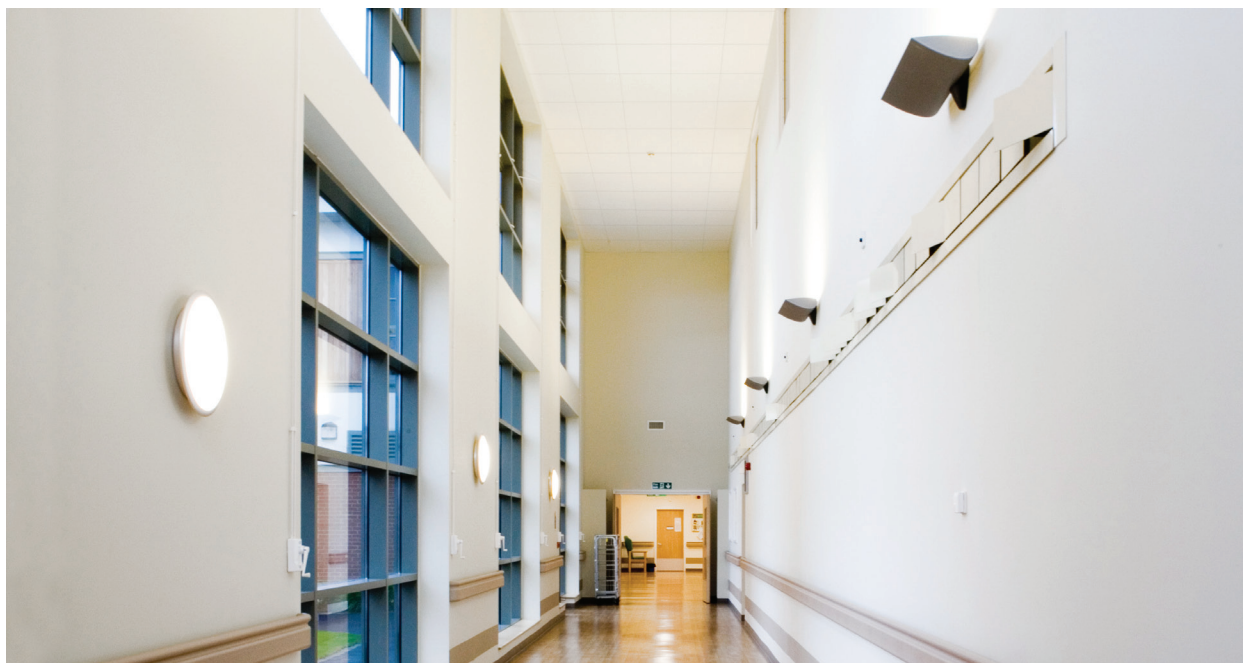


Ecophon Advantage™ A

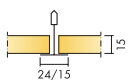
For applications requiring an easily installed suspended ceiling meeting the essential functional demands. Ecophon Advantage™ A has an exposed grid system and each tile is individually demountable for easy access to soffit above.

For best performance and system quality use Connect™ grid and accessories. The Connect™ grid is manufactured from galvanized steel.

The system consists of Ecophon Advantage™ A tiles and Connect™ grid system with an approximate weight of 2,5 kg/m². The tiles are manufactured from high density glass wool. The visible surface is a high quality batch painted glass tissue in white colour and the back of the tile is covered with glass tissue. Available with natural edges or with edges primed.

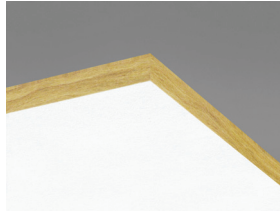


Walkergate Hospital, Newcastle, United Kingdom

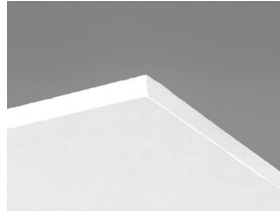


SYSTEM RANGE

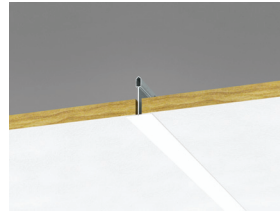
Size, mm	600x600	1200x600
T15	•	•
T24	•	•
Thickness	15	15
Inst. Diag.	M119, M271	M119



Advantage A tile



Advantage A tile



Section of Advantage A system with Connect T24



Advantage A system with Connect T24

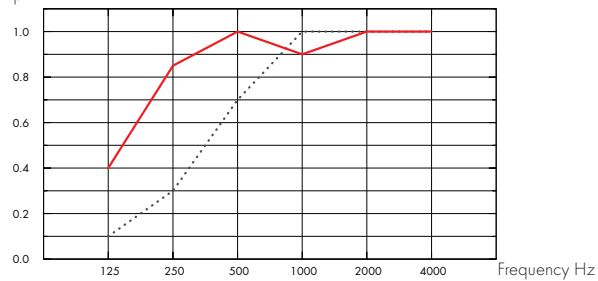


Acoustic

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



... Advantage A 15 mm, 50 mm o.d.s.

— Advantage A 15 mm, 200 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		
15	50	0.10	0.30	0.70	1.00	1.00	1.00	0.60	C
15	200	0.40	0.85	1.00	0.90	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
15	50	0.80	0.80
15	400	0.85	0.87



Indoor Air Quality

Certificate / Label

French VOC, A+

Finnish M1



Environmental Footprint

Advantage A, Kg CO₂ equiv/m²: 2,53

From EPD in conformity with ISO 14025 / EN 15804



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



Visual appearance

White 500. Nearest NCS colour code; NCS S 0500-N. 83 % light reflectance. (The tiles need to be installed in accordance with the arrows on the back of the tile in order to get optimal visual appearance).



Cleanability

Weekly dusting and vacuum cleaning.



Accessibility

The tiles are easily demountable. Minimum demounting depth according to installation diagrams.



Installation

Installed according to installation diagrams, installation guides and drawing aid. (The tiles to be installed according to the arrows on the back of the tile.)



Mechanical properties

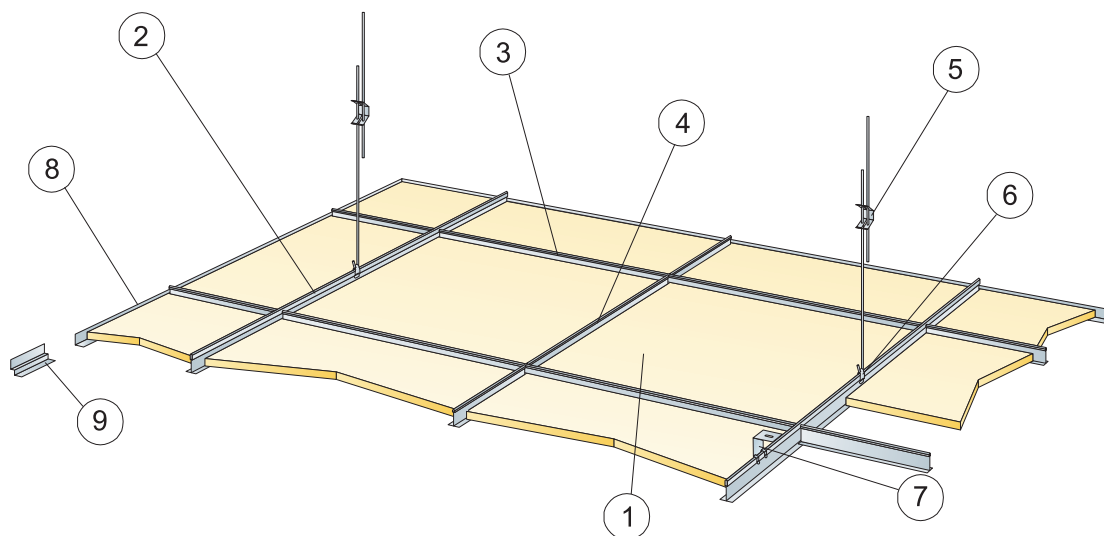
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

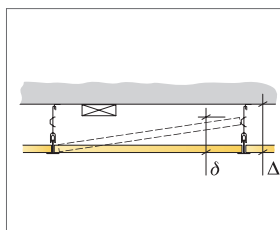
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M119) FOR ECOPHON ADVANTAGE A

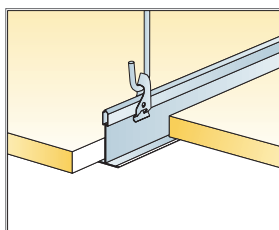


QUANTITY SPECIFICATION (EXCL. WASTAGE)

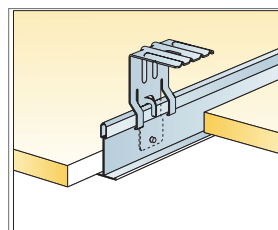
		Size, mm	
		600x600	1200x600
1	Advantage A	2,8/m ²	1,4/m ²
2	Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m ²	0,9m/m ²
3	Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²	1,7m/m ²
4	Connect T24 or T15 Cross tee, L=600 mm	0,9m/m ²	-
5	Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²	0,7/m ²
6	Connect Hanger Clip (not to be used in swimming hall environments)	0,7/m ²	0,7/m ²
7	For direct installation: Connect Direct Bracket, installed at 1200 mm centres	0,7/m ²	0,7/m ²
8	Connect Angle Trim, fixed at 300 mm centres	as required	as required
9	Connect Shadow-line Trim, fixed at 300 mm centres	as required	as required
Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm		-	-
δ Min. demounting depth: 120 mm (130 mm with 1200x1200)		-	-
For luminaire integration in panels use Connect Bridging			



See Quantity specification



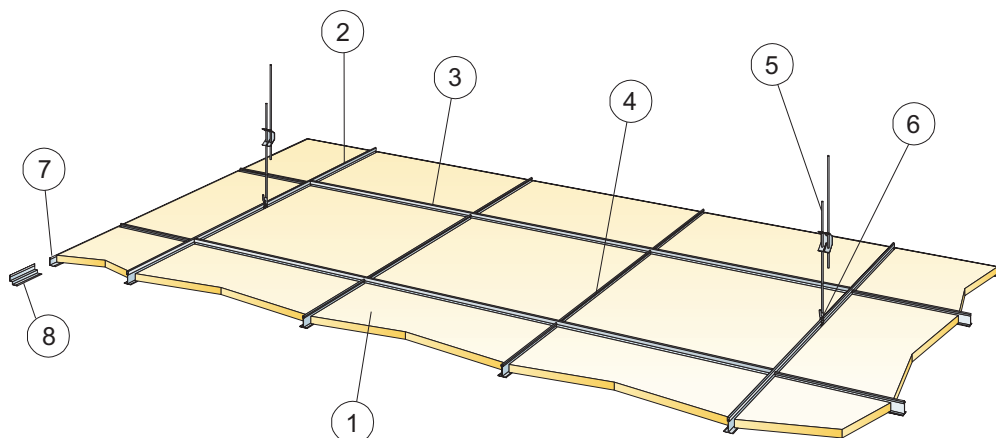
Suspension with adjustable hanger and clip



Suspension with direct bracket

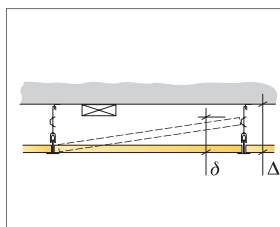
Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	50	160
1200x600	50	160

Live load/load bearing capacity

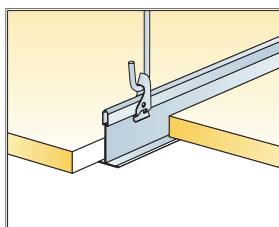


QUANTITY SPECIFICATION (EXCL. WASTAGE)

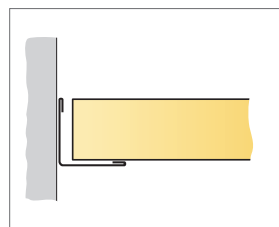
		Size, mm
		600x600
1	Advantage A	2,8/m ²
2	Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,56m/m ²
3	Connect T24 Cross tee, L=1800 mm	1,7m/m ²
4	Connect T24 Cross tee, L=600 mm centres	1,1m/m ²
5	Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,46/m ²
6	Connect Hanger clip	0,46/m ²
7	Connect Angle trim, fixed at 300 mm centres	as required
8	Alt. Connect Shadow-line Trim, fixed c300	as required
Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm		-
δ Min. demounting depth: 120 mm		-



See Quantity specification



Suspension with adjustable hanger and clip



Straight cut, panel resting on wall trim

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	20	160

Live load/load bearing capacity