Ecophon Master™ A

Suitable for open plan offices or other premises where strict demands are made on good acoustics and speech intelligibility, and where demountability is vital. Ecophon Master™ A has an exposed grid system. Each tile is easily demountable.

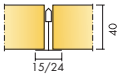
The system consists of Ecophon Master™ A tiles and Connect™ grid systems, with an approximate weight of 5 kg/m². The tiles are manufactured from high density glass wool. The visible surface has an Akutex™ FT coating and the back of the tile is covered with glass tissue. The edges are primed.

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



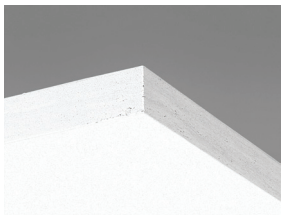
Gdynia, Poland

SYSTEM RANGE

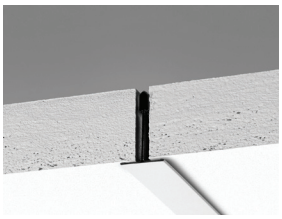


Size, mm	600x600	1200x600	1200x1200
T24	•	•	•
Thickness (THK)	40	40	40
Inst. Diagr.	M56	M56	M56

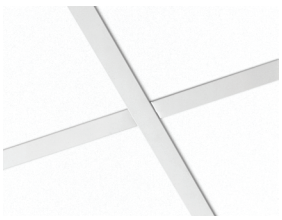
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Master A tile



Section of Master A system

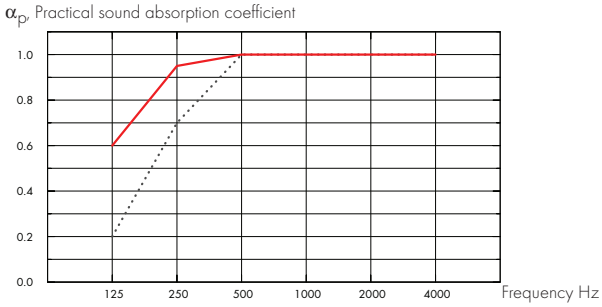


Master A system

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.



··· Master A 40 mm, 50 mm o.d.s.

– Master A 40 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		
40	50	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A
40	200	0.60	0.95	1.00	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
40	50	1.00	1.00
40	400	0.95	0.93

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413
40	200	28	30

Indoor Air Quality

Certificate / Label	
Finnish M1	•
French VOC, A+	•

Environmental Footprint

Kg CO_2 equiv/m^2: 4,50

From EPD in conformity with ISO 14025 / EN 15804

Circularity

Fully recyclable.

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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 Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.

Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.

Accessibility

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

Installation

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

Mechanical properties



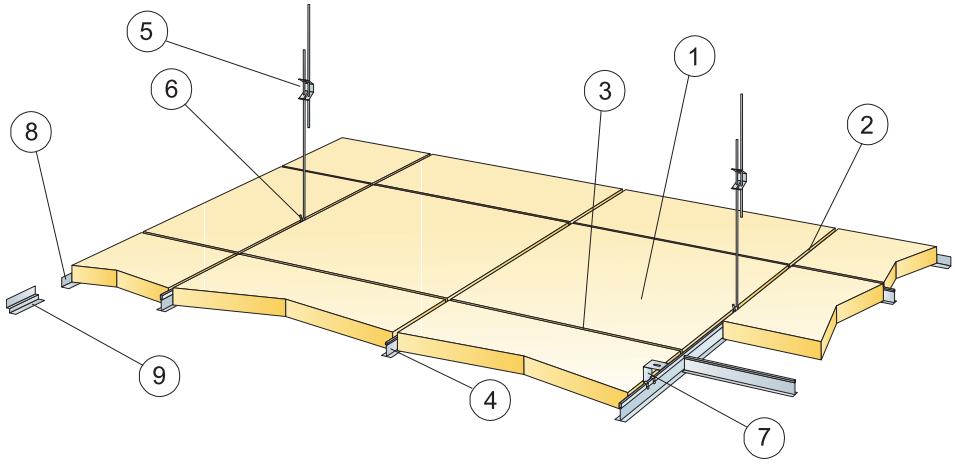
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.

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.

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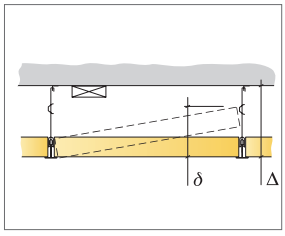
INSTALLATION DIAGRAM (M56) FOR ECOPHON MASTER A



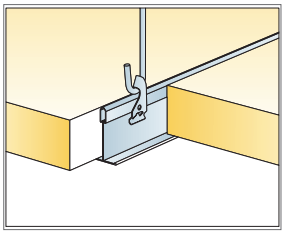
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

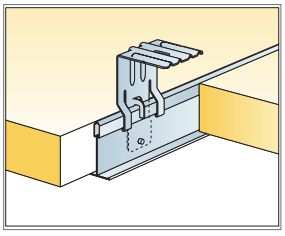
		Size, mm		
		600x600	**1200x600**	**1200x1200**
1	Master A	2,8/m²	1,4/m²	0,7/m²
2	Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m²	0,9m/m²	0,9m/m²
3	Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m²	1,7m/m²	0,9m/m²
4	Connect T24 Cross tee, L=600 mm	0,9m/m²	-	-
5	Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m²	0,7/m²	0,7/m²
6	Connect Hanger Clip (not to be used in swimming hall environments)	0,7/m²	0,7/m²	0,7/m²
7	For direct installation: Connect Direct Bracket, installed at 1200 mm centres	0,7/m²	0,7/m²	0,7/m²
8	Connect Angle trim, fixed at 300 mm centres	as required	as required	as required
9	Connect Shadow-line trim, fixed at 300 mm centres	as required	as required	as required
	Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm	-	-	-
	δ Min. demounting depth: 170 mm, 200 mm with 1200x1200 mm	-	-	-



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	40	160
1200x600	40	160
1200x1200	40	160

Live load/load bearing capacity