# ECOPHON MASTER™ EG

Ecophon Master™ Eg is a unique system that conceals the supporting tile edges, creating a distinctive floating appearance. Make an individual design with different panel sizes. Four supporting edges, makes it easy to install and demount. Suitable for open-plan offices or other premises where strict demands are made on good acoustics. Patent-pending system.
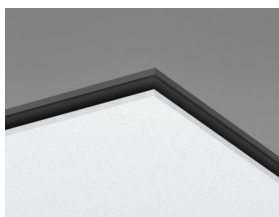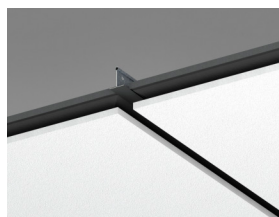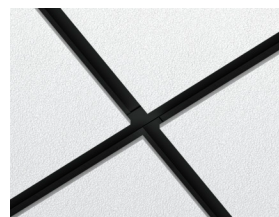
Ecophon Master™ Eg
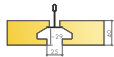
SYSTEM RANGE

Size, mm	XL 600x600	XL 1200x600	1200x1200	XL 2400x600
T24	•	•	•	•
Thickness	40	40	40	40
Inst. Diagr.	M498, M500	M498, M499, M500	M498	M500

Master Eg tile

Section of Master Eg system

Master Eg system with matt black Connect grid

TYPE OF APPLICATION

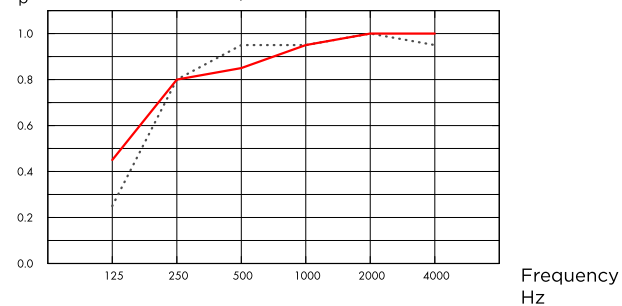- Healthcare
- Education
- Office
- Additional areas

ACOUSTIC

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

α_p, Practical sound absorption coefficient

···· Master Eg 40 mm, 80 mm o.d.s.

— Master Eg 40 mm, 200 mm o.d.s.

o.d.s = overall depth of system

Frequency Hz

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	80	0.25	0.80	0.95	0.95	1.00	0.95	1.00	A
40	200	0.45	0.80	0.85	0.95	1.00	1.00	0.95	A

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110
40	200

INDOOR AIR QUALITY

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

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.

CARBON FOOTPRINT

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

	kg CO_2 equiv/m²
Master Eg	6,10

CIRCULARITY

Minimum post-consumer recycled content	61%
Recyclability	Fully recyclable

FIRE SAFETY

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

Country	Fire standard	Class
Europe	EN 13501-1	A2-s1,d0

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.

PACKAGING INFORMATION

Information is indicative and subject to change.

	Edge	Panels / crt	m² / crt
600x600x40	Eg	10	3.60
1200x600x40	Eg	6	4.32
1200x1200x40	Eg	4	5.76
2400x600x40	Eg	4	5.76

SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m²
Master Eg	3,6
Master Eg + Connect grid system	4,6

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.

COLOURS AND DESIGN

Akutex™ FT

White Frost	Moonlight sky	Highland fog	Sunset heat	Ocean storm	Morning drizzle	Peach rose
Goji berry	Scallop shells	Fresh clover	Sage garden	Eucalyptus leaf	Summer forest	Golden field
Ruby rock	Wet sand	Silent steam	Dark diamond	Cloudy day	Volcanic ash	Silver stone
Silk slate						

Suspended ceiling
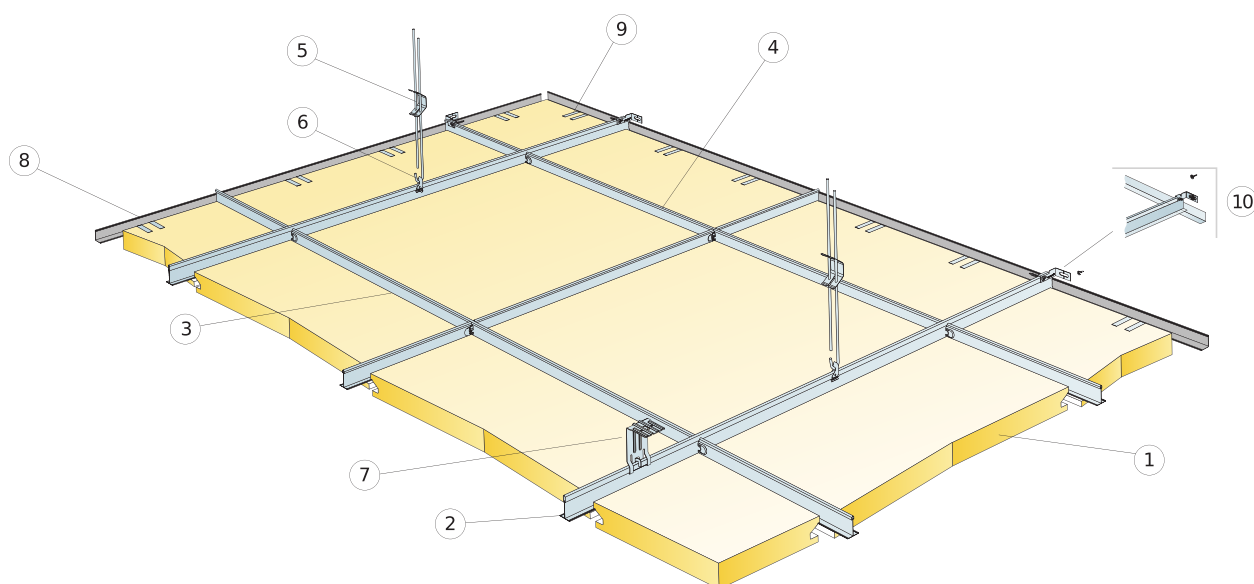
© Ecophon Group

Installation diagram (M498) for Ecophon Master Eg

Quantity specification (excl. wastage)

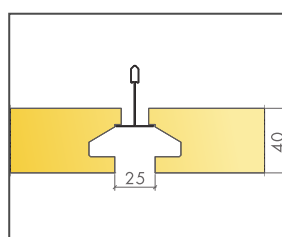|		Size, mm		
		600x600	**1200x600**	**1200x1200**
1	Master Eg	2,8/m²	1,4/m²	0,7/m²
2	Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm)	0,9m/m²	0,9m/m²	0,9m/m²
3	Connect T24 Cross tee, L=1200 mm	1,7m/m²	1,7m/m²	0,9m/m²
4	Connect T24 Cross tee, L=600 mm	0,9m/m²	-	-
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 Support clip DG25	1/300-400mm on any cut edge		
10	Connect Wall Bracket for T-profiles	1/suspended row of Main runner		
	Δ Min. overall depth of system, with adjustable hanger: 130 mm, with direct bracket: 80 mm	-	-	-
	δ Min. demounting depth: 170 mm, 180mm with 1200x1200	-	-	-
	For luminaire integration in panels use Connect Bridging	-	-	-
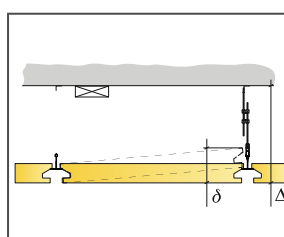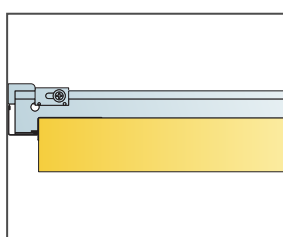
See Quantity specification

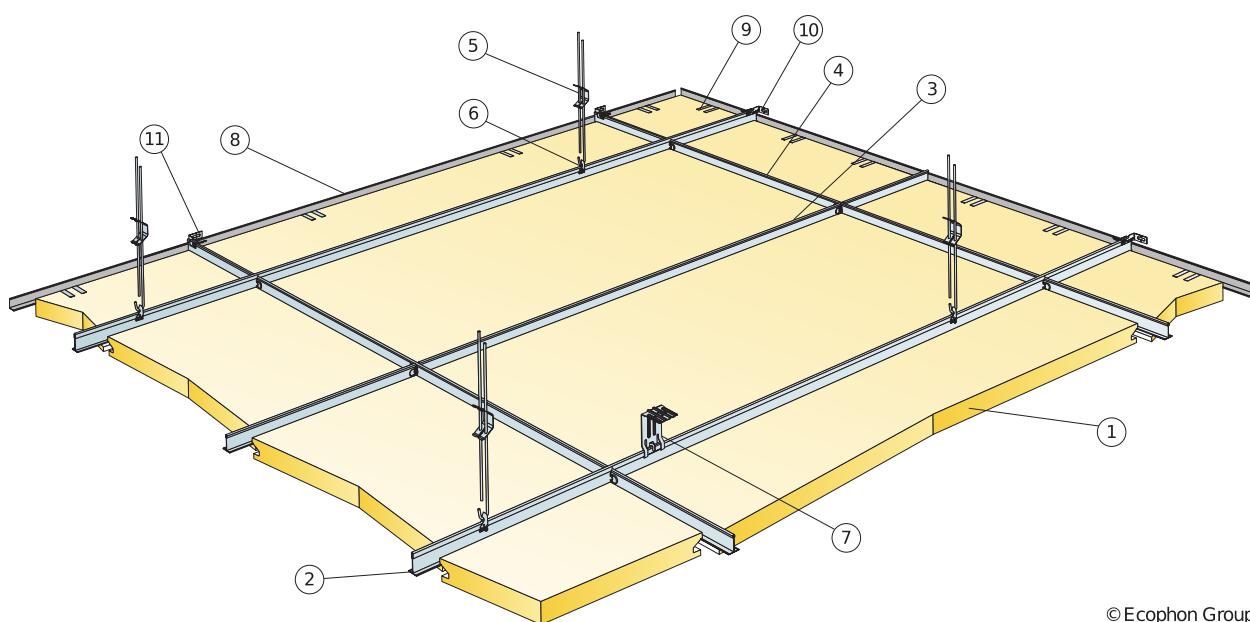Straight cut edge with support clip. T-profiles resting on Angle trim.

Lay in panel with edge design for floating ceiling appearance

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x40	40	160
1200x600x40	40	160
1200x1200x40	40	160

Live load/load bearing capacity

Suspended ceiling

© Ecophon Group

Installation diagram (M499) for Ecophon Master Eg
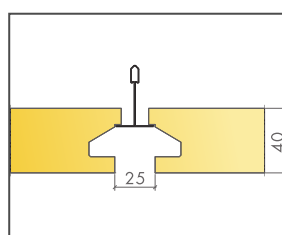
Quantity specification (excl. wastage)

		Size, mm
		1200x600
1	Master Eg	1,4/m²
2	Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm)	0,9m/m²
3	Connect T24 Cross tee, L=1200 mm	0,85m/m²
4	Connect T24 Cross tee, L=1200 mm	0,85m/m²
5	Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m²
6	Connect Hanger Clip (not to be used in swimming hall environments)	0,7/m²
7	For direct installation: Connect Direct Bracket, installed at 1200 mm centres	0,7/m²
8	Connect Angle trim, fixed at 300 mm centres	as required
9	Connect Support clip DG25	1/300-400mm on any cut edge
10	Connect Wall Bracket for Main runners	1/suspended row of Main runner
11	Connect Wall Bracket for Cross tees	1/row of cross tee
	Δ Min. overall depth of system, with adjustable hanger: 130 mm, with direct bracket: 80 mm	-
	δ Min. demounting depth: 170 mm	-
	For luminaire integration in panels use Connect Bridging	-
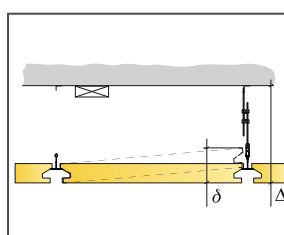
See Quantity specification

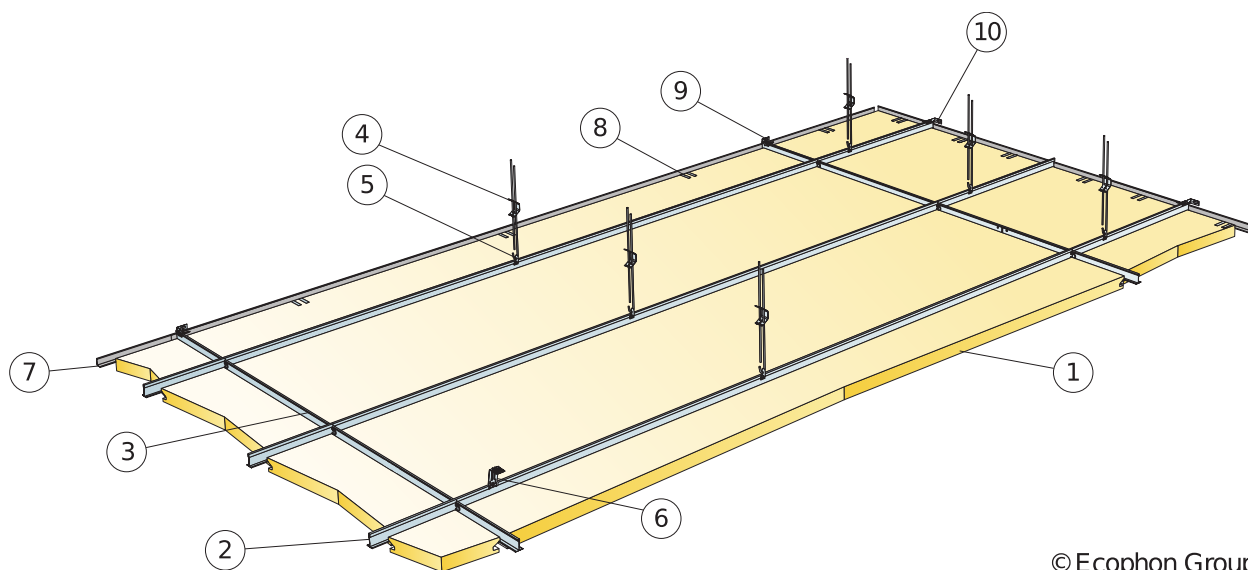Straight cut edge with support clip. T-profiles resting on Angle trim.

Lay in panel with edge design for floating ceiling appearance

Size, mm	Max live load (N)	Min load bearing capacity (N)
1200x600x40	40	160

Live load/load bearing capacity

ecophon
SAINT-GOBAIN

Suspended ceiling

Installation diagram (M500) for Ecophon Master Eg

© Ecophon Group

Quantity specification (excl. wastage)

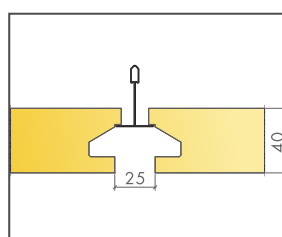|	Size, mm		
	600x600	**1200x600**	**2400x600**
1 Master Eg	2,8/m²	1,4/m²	0,7/m²
2 Connect T24 Main runner, installed at 600 mm centres (max. distance from wall 600 mm)	1,7m/m²	1,7m/m²	1,7m/m²
3 Connect T24 Cross tee, L=600 mm	1,7m/m²	0,9m/m²	0,45m/m²
4 Connect Adjustable Hanger, installed at 1500 mm centres (max. distance from wall 600 mm)	1,1/m²	1,1/m²	1,1/m²
5 Connect Hanger Clip (not to be used in swimming hall environments)	1,1/m²	1,1/m²	-
6 For direct installation: Connect Direct Bracket, installed at 1500 mm centres	1,1/m²	1,1/m²	1,1/m²
7 Connect Angle trim, fixed at 300 mm centres	as required	as required	as required
8 Connect Support clip DG25	2/500-600mm on any cut edge	2/500-600mm on any cut edge	1/500-600mm on any cut edge
9 Connect Wall Bracket for Cross tees	0,25/row of cross tee	0,5/row of cross tee	1/row of cross tee
10 Connect Wall Bracket for Main runners	1/second row of Main runner		
Δ Min. overall depth of system, with adjustable hanger: 130 mm, with direct bracket: 80 mm	-	-	-
δ Min. demounting depth: 170 mm	-	-	-
For luminaire integration in panels use Connect Bridging	-	-	-
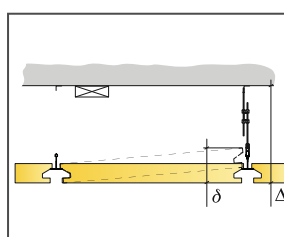
See Quantity specification
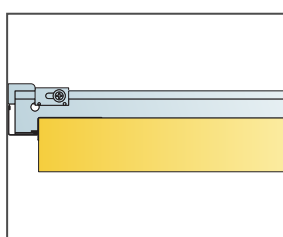
Straight cut edge with support clip. T-profiles resting on Angle trim.

Lay in panel with edge design for floating ceiling appearance

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x40	40	160
1200x600x40	40	160
2400x600x40	40	160

Live load/load bearing capacity