

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.

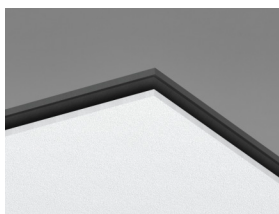


Ecophon Master™ Eg

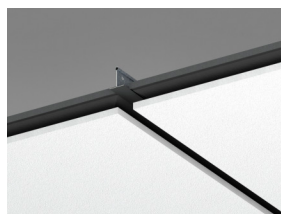


SYSTEM RANGE

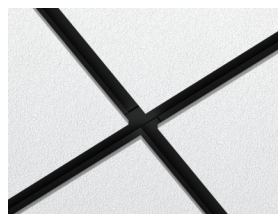
| Size, mm | XL 600x600 | XL 1200x600 | 1200x1200 | XL 2400x600 |
|--------------|---------------|------------------|-----------|----------------|
| T24 | • | • | • | • |
| Thickness | 40 | 40 | 40 | 40 |
| Inst. Diagr. | M498, M500 | M498, M499, M500 | M498 | M500 |



Master Eg tile



Section of Master Eg system



Master Eg system with matt black Connect grid

TYPE OF APPLICATION

- Healthcare
- Education
- Office
- Additional areas

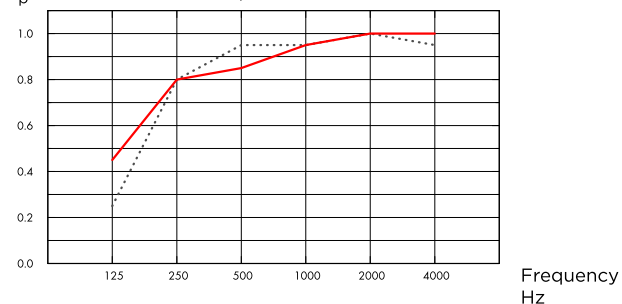


ACOUSTIC

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

| 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/m ² |
|-----------|---|
| 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.



SYSTEM WEIGHT

Weight information is indicative and subject to variation.

| | kg/m ² |
|---------------------------------|-------------------|
| 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

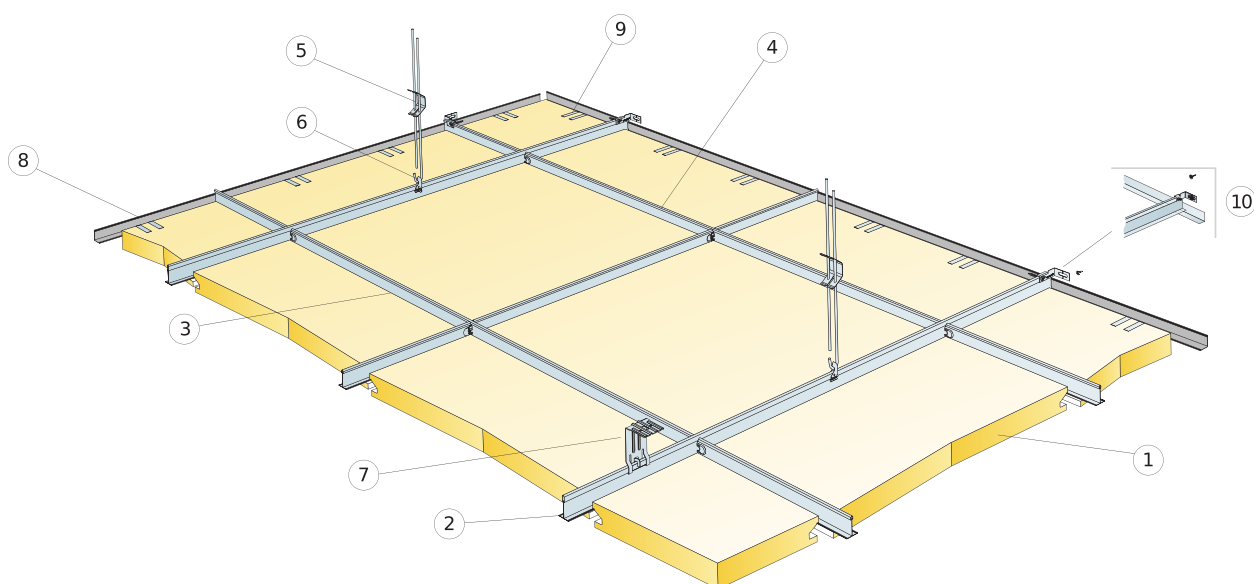
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

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

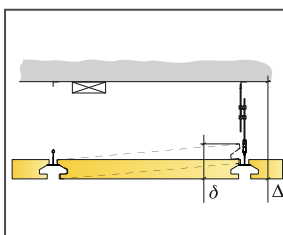


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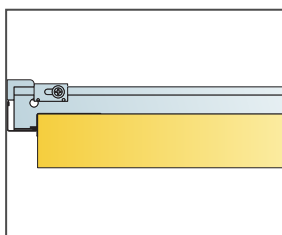
Installation diagram (M498) for Ecophon Master Eg

Quantity specification (excl. wastage)

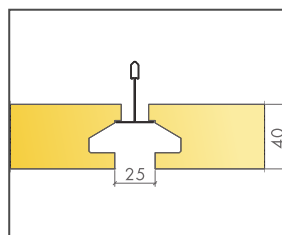
| | Size, mm | | |
|--|--------------------------------|---------------------|---------------------|
| | 600x600 | 1200x600 | 1200x1200 |
| 1 Master Eg | 2,8/m ² | 1,4/m ² | 0,7/m ² |
| 2 Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,9m/m ² | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 Cross tee, L=1200 mm | 1,7m/m ² | 1,7m/m ² | 0,9m/m ² |
| 4 Connect T24 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 | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 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 | 0,7/m ² |
| 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.

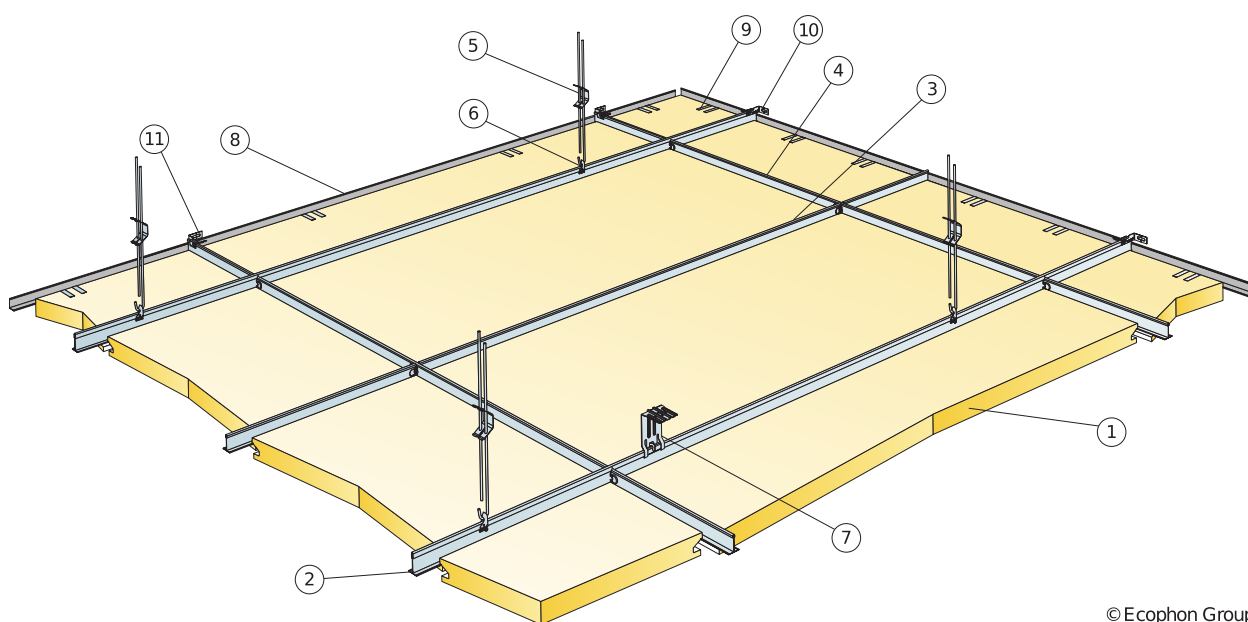


Lay in panel with edge design for floating ceiling appearance

| 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

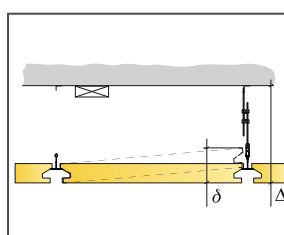


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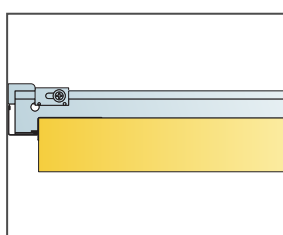
Installation diagram (M499) for Ecophon Master Eg

Quantity specification (excl. wastage)

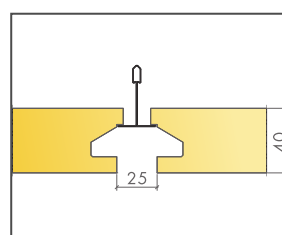
| | | Size, mm |
|--|--|--------------------------------|
| | | 1200x600 |
| 1 | Master Eg | 1,4/m ² |
| 2 | Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,9m/m ² |
| 3 | Connect T24 Cross tee, L=1200 mm | 0,85m/m ² |
| 4 | Connect T24 Cross tee, L=1200 mm | 0,85m/m ² |
| 5 | Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² |
| 6 | Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² |
| 7 | For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² |
| 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.

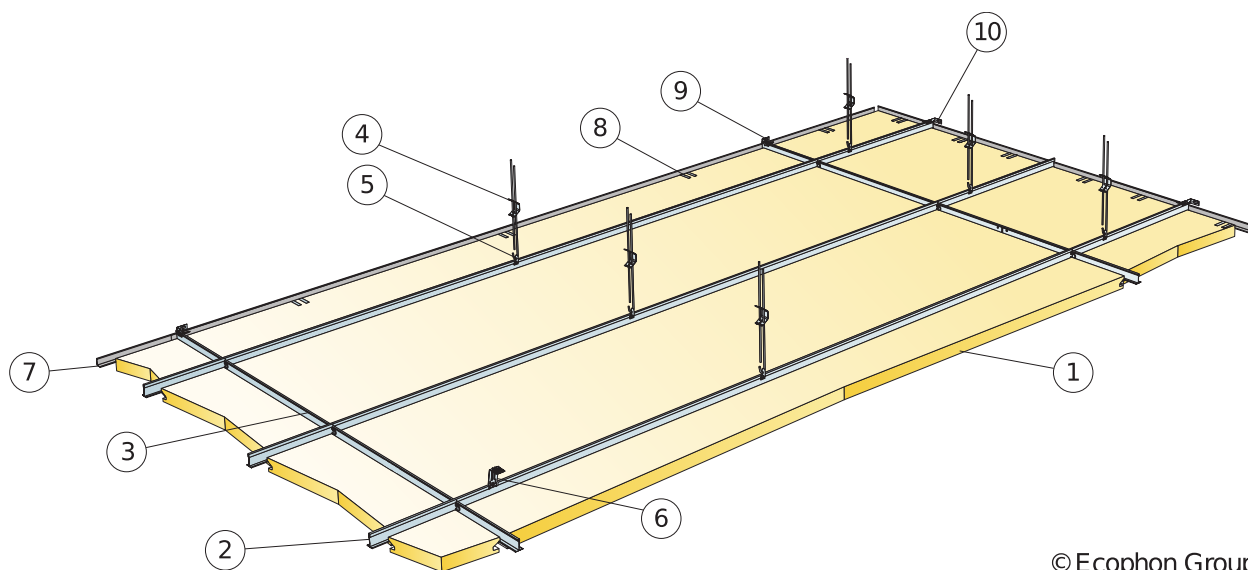


Lay in panel with edge design for floating ceiling appearance

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

Live load/load bearing capacity

Suspended ceiling

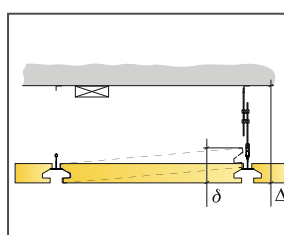


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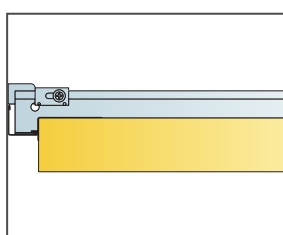
Installation diagram (M500) for Ecophon Master Eg

Quantity specification (excl. wastage)

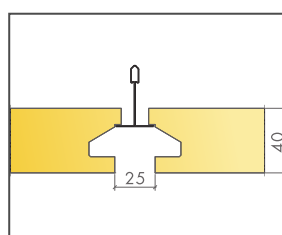
| | Size, mm | | |
|--|-----------------------------|-----------------------------|-----------------------------|
| | 600x600 | 1200x600 | 2400x600 |
| 1 Master Eg | 2,8/m ² | 1,4/m ² | 0,7/m ² |
| 2 Connect T24 Main runner, installed at 600 mm centres (max. distance from wall 600 mm) | 1,7m/m ² | 1,7m/m ² | 1,7m/m ² |
| 3 Connect T24 Cross tee, L=600 mm | 1,7m/m ² | 0,9m/m ² | 0,45m/m ² |
| 4 Connect Adjustable Hanger, installed at 1500 mm centres (max. distance from wall 600 mm) | 1,1/m ² | 1,1/m ² | 1,1/m ² |
| 5 Connect Hanger Clip (not to be used in swimming hall environments) | 1,1/m ² | 1,1/m ² | - |
| 6 For direct installation: Connect Direct Bracket, installed at 1500 mm centres | 1,1/m ² | 1,1/m ² | 1,1/m ² |
| 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