

Ecophon Master™ A

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

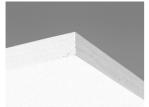


SYSTEM RANGE



| Size, mm | |
|-----------------|---------|
| | 600x600 |
| Connect T15 | • |
| Connect T24 | • |
| Thickness (THK) | 40 |
| Inst. Diagr. | M56 |

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Master A tile Section of Master A system

Master A system

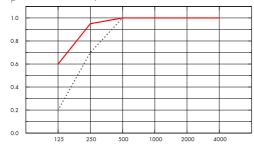
Acoustic



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.

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



- ··· 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

Frequency Hz

| THK | o.d.s. mm | $lpha_{ m p}$, Practical sound absorption coefficient | | | | | | $\alpha_{_{ m W}}$ | Sound absorption class |
|-----|--------------|--|--------|--------|---------|---------|---------|--------------------|------------------------|
| mm | O.G.S. IIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _w | Sound absorption class |
| 40 | 50 | 0.20 | 0.70 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А |
| 40 | 200 | 0.60 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А |

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

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

Indoor Air Quality



| Certificate / Label | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |
| Finnish M1 | • |









Cradle to Cradle Certified®



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Material Health

This product has received a C2C Certified Material Health CertificateTM at the Silver level (standard version 4.0). The C2C Certified Material Health CertificateTM 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.



Environmental Footprint

Kg CO $_2$ equiv/m 2 : 3,70 From EPD in conformity with ISO 14025 / EN 15804



Circularity

| Minimum post-consumer recycled content | 59% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | | Class | The glass wool core of the tiles is tested and classified as | | |
|-------------------|--|----------|--|--|--|
| Europe EN 13501-1 | | A2-s1.d0 | 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, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid) should be approximately $5\ kg/m^2$.



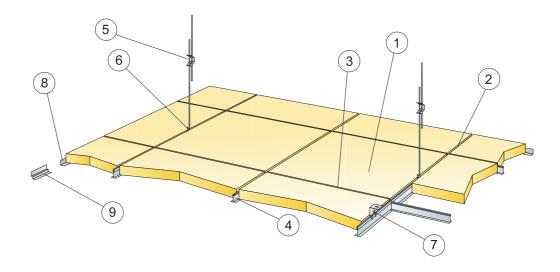
Mechanical properties

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

CE

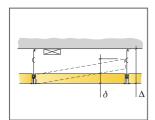


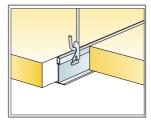
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



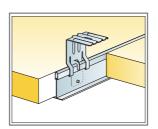
QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm |
|---|-------------|
| | 600×600 |
| 1 Master A | 2,8/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 |
| 3 Connect T24 Cross tee, L=1 200 mm, installed at 600 mm centres | 1,7m/m² |
| 4 Connect T24 Cross tee, L=600 mm | 0,9m/m² |
| Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m² |
| Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² |
| For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m² |
| Connect Angle trim, fixed at 300 mm centres | as required |
| Connect Shadow-line trim, fixed at 300 mm centres | 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 | |





Suspension with adjustable hanger and clip



Suspension with direct bracket

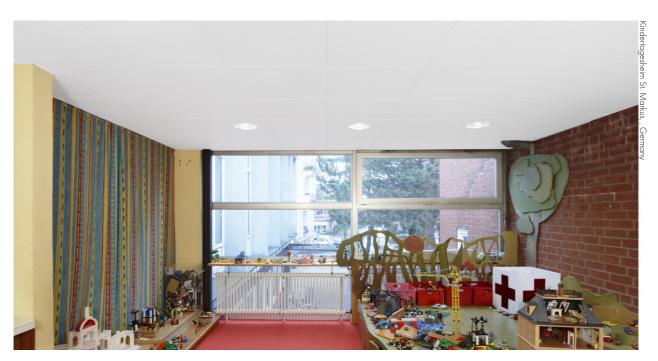


Live load/load bearing capacity



Ecophon Master™ B

Ecophon Master™ B tiles are bonded edge-to-edge directly to the soffit surface, creating a ceiling with a smooth appearance. The bevelled edge creates a narrow groove between each tile. For applications where the minimum possible overall depth of system is required.

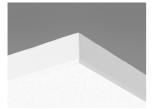


SYSTEM RANGE



| Size, mm | 600x600 | 1200x600 |
|-----------------|---------|----------|
| Direct | • | • |
| Thickness (THK) | 40 | 40 |
| Inst. Diagr. | M113 | M113 |

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Master B tile

Section of Master B system

Master B system

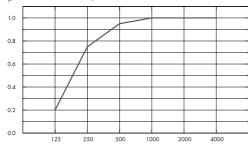
Acoustic



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.

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



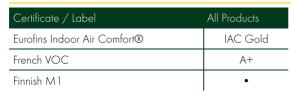
Master B 40 mm, 43 mm o.d.s.
 o.d.s = overall depth of system

Frequency Hz

| THK | ods mm | | $lpha_{ m p}$, Practical sound absorption coefficient | | | | | | . α _w Sound absorption class | | |
|-----|--------------|--------|--|--------|---------|---------|---------|-----------------|---|--|--|
| mm | mm o.d.s. mm | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _₩ | Sound absorption class | | |
| 40 | 43 | 0.20 | 0.75 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | А | | |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 40 | 43 | 0.95 | 0.93 |

Indoor Air Quality











Material Health

This product has received a C2C Certified Material Health CertificateTM at the Silver level (standard version 4.0). The C2C Certified Material Health CertificateTM 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.



Cradle to Cradle Certified®



This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

0002

Environmental Footprint

| | kg CO2 equiv/m² | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|----------|-----------------|--|
| Master B | <i>7</i> ,30 | 14023 / LIN 13604 |

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Circularity

| Minimum post-consumer recycled content | 62% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | 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 not demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even.



System weight

The weight of the system should be approximately 5 kg/m^2 .



Mechanical properties

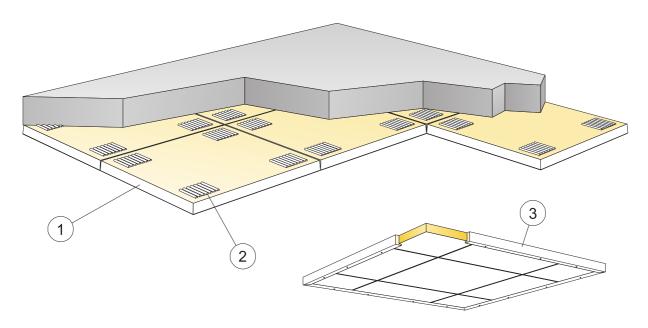
Additional live load has to be fixed to the soffit.



CE

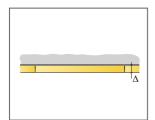
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

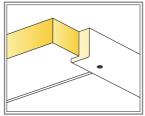
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm | |
|---|---|-------------|-------------|
| | | 600×600 | 1200×600 |
| 1 | Master B | 2,8/m² | 1,4/m² |
| 2 | Connect Absorber glue (0,25 l/m² - 0,4 l/m² depending on installation conditions) | as required | as required |
| | Use Connect Notched spatula to apply the glue. | - | - |
| 3 | When installing floating ceilings: Connect Wood trim, L=3000, fixed at 500 mm centres | as required | as required |
| | Δ Min. overall depth of system: 43 mm | - | - |
| | δ Min. demounting depth: The system is not demountable | | - |
| | Cut visible edges should be painted | - | - |





Wood trim for floating installation

| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|----------------------|-------------------------------|
| 600x600x40 | - | - |
| 1200x600x40 | = | |

Live load/load bearing capacity



Ecophon MasterTM Ds

Ecophon MasterTM Ds has a concealed grid and symmetrical edge design, allowing for easy assembly, and integration of light fittings and ventilation. For applications where a suspended ceiling with a concealed grid is required, but individual tiles must be easily demountable.

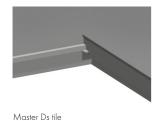


SYSTEM RANGE

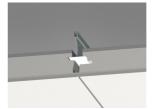


| Size, mm | 600x600 |
|-----------------|------------|
| T24 | • |
| Thickness (THK) | 40 |
| Inst. Diagr. | M236, M242 |

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Master Ds system

Section of Master Ds system.

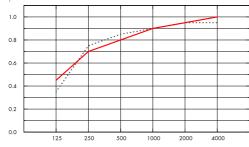
Acoustic



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.

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



···· Master Ds 40 mm, 95 mm o.d.s.

- Master Ds 40 mm, 200 mm o.d.s.

o.d.s = overall depth of system

Frequency Hz

| THK | o.d.s. mm | $lpha_{ m p}$, Practical sound absorption coefficient $lpha_{ m w}$ Sound absorption cla | | | | Sound absorption class | | | |
|-----|---------------|---|---------|---------|------------------|------------------------|------|------|---|
| mm | 0.u.s. IIIIII | | 2000 Hz | 4000 Hz | $\alpha_{\rm w}$ | Sound absorption class | | | |
| 40 | 95 | 0.35 | 0.75 | 0.85 | 0.90 | 0.95 | 0.95 | 0.90 | А |
| 40 | 200 | 0.45 | 0.70 | 0.80 | 0.90 | 0.95 | 1.00 | 0.90 | А |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 40 | 95 | 0.90 | 0.91 |
| 40 | 400 | 0.85 | 0.86 |

| THK | AC(1.5) | D _{nfw} | CAC dB |
|-----|---|--|--|
| mm | Articulation Class, ASTM E1111, ASTM E1110 | Weighted normalized flanking level difference, ISO 10848-2 | Ceiling Attenuation Class, ASTM 1414, ASTM E413 |
| 40 | 200 | 31 | 33 |

Indoor Air Quality











Cradle to Cradle Certified®



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Material Health

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Environmental Footprint

| kg CO₂ equiv/m² | | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|-----------------|------|--|
| Master Ds | 7,10 | 14023 / EIN 13804 |



Circularity

| Minimum post-consumer recycled content | 63% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | non-combustible according to LTV 150-1162. |



Humidity Resistance

Class C, relative humidity 95% and 30 $^{\circ}$ 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. The systems are not recommended for small rooms (approximately 2x2 m2). Ceilings with a large amount of integrations require careful planning, design and installation.



System weight

The weight of the system (including suspension grid) should be approximately 6 kg/m^2 .



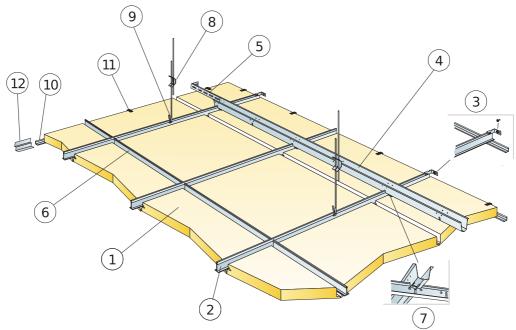
Mechanical properties

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

CE



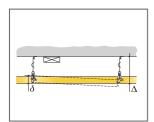
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

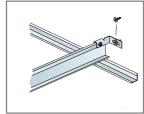


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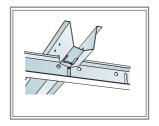
QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm |
|----|---|--------------------------------|
| | | 600×600 |
| 1 | Master Ds | 2,8/m² |
| 2 | Connect T24 Main Runner HD, installed at 600 mm centres | 1,7m/m² |
| 3 | Connect Wall Bracket for T-profiles | 1/suspended row of Main runner |
| 4 | Connect Space Bar, installed at 1500 mm centres (max. distance from wall 300 mm) | 0,7m/m² |
| 5 | Connect Wall Bracket, L=700 mm, for Connect Space Bar | 1/row of Space bar |
| 6 | Connect T24 Cross Tee, L=600 mm | 2/row of Main runner |
| 7 | Connect Space Bar Winch, installed one per joint Connect Main Runner/Connect Space Bar | 1,4/m² |
| 8 | Connect Adjustable hanger, installed at 1 200 mm centres (max. distance from wall 600 mm) | 0,7/m² |
| 9 | Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² |
| 10 | Connect Angle Trim, fixed at 300 mm centres | as required |
| 11 | Connect Perimeter tile clip 40 | 1/300-400mm on any cut edge |
| 12 | Connect Shadow-line Trim, fixed at 200 mm centres | as required |
| | Δ Min. overall depth of system: 140 mm | |
| | δ Min. demounting depth: 50 mm | |
| | For luminaire integration in panels use Connect Bridging | |



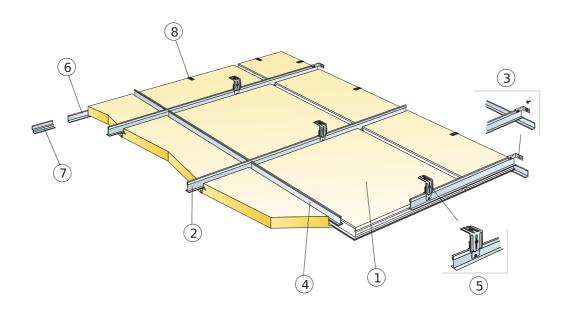






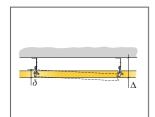
Size, mm Max live Min load bearing load (N) capacity (N) 600x600x40 40 160

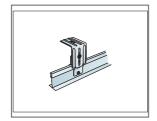
Live load/load bearing capacity



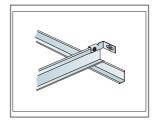
QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm |
|---|---|--------------------------------|
| | | 600×600 |
| 1 | Master Ds | 2,8/m² |
| 2 | Connect T24 Main Runner HD, installed at 600 mm centres | 1,7m/m² |
| 3 | Connect Wall Bracket for T-profiles | 1/suspended row of Main runner |
| 4 | Connect T24 Cross Tee, L=600 mm | 2/row of Main runner |
| 5 | Connect Adjust direct bracket, installed at 1500 mm centres | 1,1/m² |
| 6 | Connect Angle Trim, fixed at 300 mm centres | as required |
| 7 | Connect Shadow-line trim, fixed at 300 mm centres | as required |
| 8 | Connect Perimeter tile clip 40 | 1/300-400mm on any cut edge |
| | Δ Min. overall depth of system: 95 mm | |
| | δ Min. demounting depth: 50 mm | |





Suspension with direct bracket



Profiles are fixed against the wall



Live load/load bearing capacity



Ecophon Master™ E

Ecophon Master™ E has a recessed visible grid and a tegular edge design, creating a ceiling with a shadow effect that accentuates each tile and partially conceals the grid system. Suitable for open plan offices or other premises where strict demands are made on good acoustics.



SYSTEM RANGE



| Size, mm | | | |
|-----------------|---------|----------|-----------|
| | 600x600 | 1200×600 | 1200×1200 |
| Connect T15 | • | • | |
| Connect T24 | • | • | • |
| Thickness (THK) | 40 | 40 | 40 |
| Inst. Diagr. | M58 | M58 | M567 |

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Master E tile Section of Master E system

Master E system

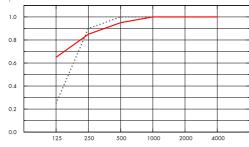
Acoustic



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.

$lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



 \cdots Master E 40 mm, 60 mm o.d.s.

Master E 40 mm, 200 mm o.d.s.

o.d.s = overall depth of system

Frequency Hz

| THK | o.d.s. mm | | α _{p′} Pr | actical soun | d absorption c | coefficient | | $\alpha_{_{ m W}}$ | Sound absorption class | |
|-----|--------------|--------|--------------------|--------------|----------------|-------------|---------|--------------------|------------------------|--|
| mm | O.G.S. IIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _w | Sound absorption class | |
| 40 | 60 | 0.25 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А | |
| 40 | 200 | 0.65 | 0.85 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | А | |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 40 | 60 | 1.00 | 0.98 |
| 40 | 200 | 0.95 | 0.97 |
| 40 | 400 | 0.90 | 0.89 |

| THK | AC(1.5) | D_{nfw} | CAC dB |
|-----|---|--|--|
| mm | Articulation Class, ASTM E1111, ASTM E1110 | Weighted normalized flanking level difference, ISO 10848-2 | Ceiling Attenuation Class, ASTM 1414, ASTM E413 |
| 40 | 200 | 29 | 31 |

Indoor Air Quality



| Certificate / Label | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |
| Finnish M 1 | • |









Cradle to Cradle Certified®



This product is Cradle to Cradle Certified® at Bronze level (version 4.0).

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Material Health

This product has received a C2C Certified Material Health CertificateTM at the Silver level (standard version 4.0). The C2C Certified Material Health CertificateTM 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.



Environmental Footprint

| | kg CO2 equiv/m² | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|----------|-----------------|--|
| Master E | 6,10 | 14023 / EIN 13004 |



Circularity

| Minimum post-consumer recycled content | 61% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | non-combustible according to ETV 130-1 162. |



Humidity Resistance

Class C, relative humidity 95% and 30 $^{\circ}$ 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, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid) should be approximately 5 kg/m².



Mechanical properties

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

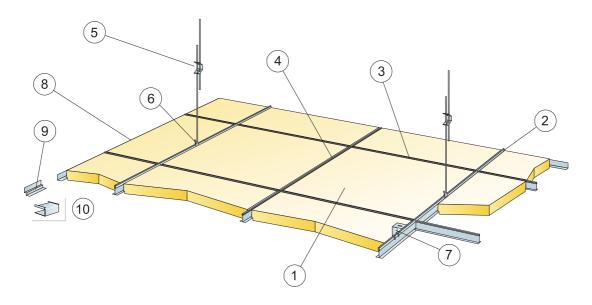
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CE



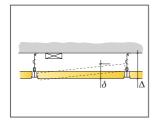
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

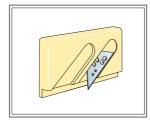
© Saint-Gobain Ecophon AB Ecophon MasterTM E, 2024-03-28



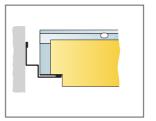
QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|--|-------------|-------------|
| | 600×600 | 1200×600 |
| 1 Master E | 2,8/m² | 1,4/m² |
| 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/m² | 0,9m/m² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm | 1,7m/m² | 1,7m/m² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m² | - |
| Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m² | 0,7/m² |
| Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² | 0,7/m² |
| For direct installation: Connect Direct Bracket, installed at 1 200 mm centres | 0,7/m² | 0,7/m² |
| Connect Angle trim, fixed at 300 mm centres | as required | as required |
| Connect Shadow-line trim, fixed at 300 mm centres | as required | as required |
| 10 Connect E-plug (for Shadow-line trim) | as required | as required |
| Δ Min. overall depth of system, with adjustable hanger: 110 mm, with direct bracket: 60 mm | | - |
| δ Min. demounting depth: 170 mm | | |







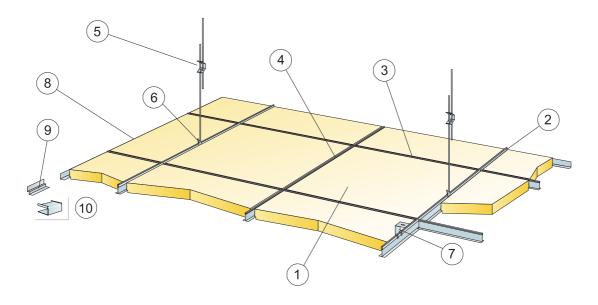


Tegular rebate with shadow-line trim.

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

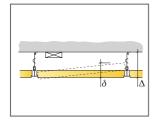
Live load/load bearing capacity

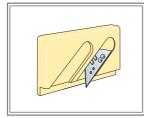
© Saint-Gobain Ecophon AB

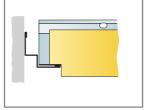


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm |
|---------|--|-------------|
| | | 1200×1200 |
| 1 Mas | ster E | 0,7/m² |
| 2 Con | nect 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 |
| 3 Con | nect T24 Cross tee, L=1200 mm, installed at 600 mm centres | 0,9m/m² |
| 4 Con | nect T24 Cross tee, L=600 mm | - |
| 5 Con | nect Adjustable hanger, installed at 1 200 mm centres (max. distance from wall 600 mm) | 0,7/m² |
| 6 Con | nect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² |
| 7 For c | direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m² |
| 8 Con | nect Angle trim, fixed at 300 mm centres | as required |
| 9 Con | nect Shadow-line trim, fixed at 300 mm centres | as required |
| 10 Con | nect E-plug (for Shadow-line trim) | as required |
| ΔΜ | lin. overall depth of system, with adjustable hanger: 110 mm, with direct bracket: 60 mm | |
| δ Μ | in. demounting depth: 170 mm | - |







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

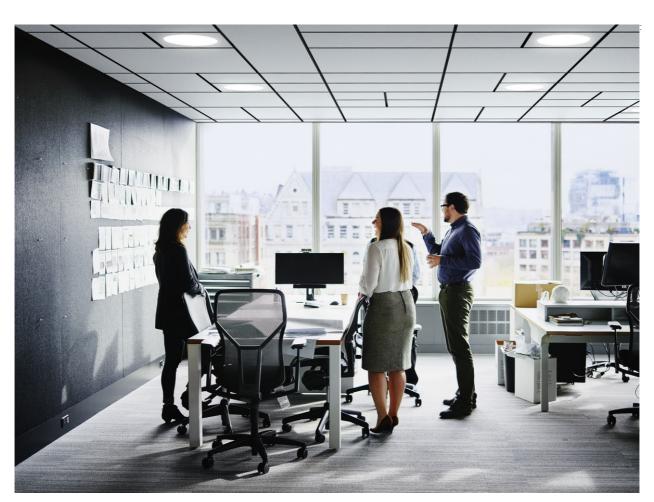
Cutting tool E Tegular rebate with shadow-line trim.

Live load/load bearing capacity



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.

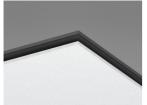


SYSTEM RANGE



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

© Saint-Gobain Ecophon AB Ecophon Master™ Eg., 2024-03-28







Section of Master Eg system



Master Eg system with matt black Connect grid

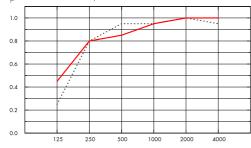
Acoustic



Sound Absorption:

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

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



Frequency Hz

- ···· 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 | a da mm | α _{p′} Pι | _o , Practical sound absorption coefficient | | | $\alpha_{\scriptscriptstyle{	ext{W}}}$ | Sound absorption class | |
|-----------|---------------|---------|--------------------|---|---------|---------|--|------------------------|--------------------------|
| | O.G.S. IIIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _w | Journal absorption class |
| 40 | 80 | 0.25 | 0.80 | 0.95 | 0.95 | 1.00 | 0.95 | 1.00 | А |
| 40 | 200 | 0.45 | 0.80 | 0.85 | 0.95 | 1.00 | 1.00 | 0.95 | А |

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

Indoor Air Quality

| Certificate / Label | All Products | |
|------------------------------|--------------|--|
| Eurofins Indoor Air Comfort® | IAC Gold | |
| French VOC | A+ | |
| Finnish M1 | • | |









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.



Environmental Footprint

| kg CO2 equiv/m² | | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|-----------------|------|--|
| Master Eg | 6,10 | - 14023 / EIN 13604 |



Circularity

| Minimum post-consumer recycled content | 61% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | non-combustible according to £14 150 1162. |



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, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid) should be approximately 5 kg/m².



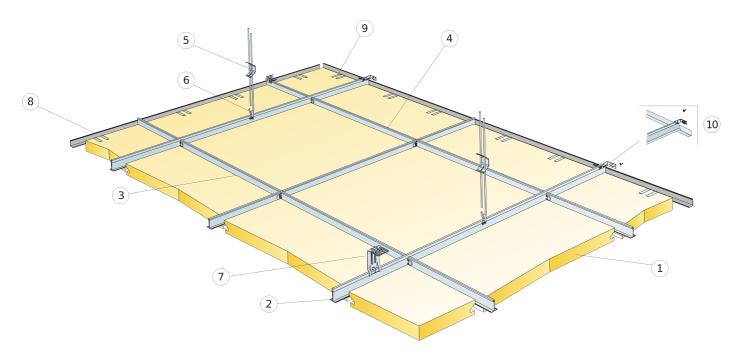
Mechanical properties

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



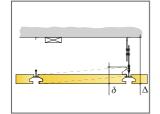
CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

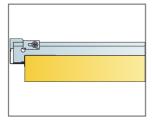


QUANTITY SPECIFICATION (EXCL. WASTAGE)

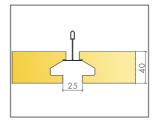
| | | Size, mm | Size, mm | |
|----|---|----------------|-------------------|-------------|
| | | 600×600 | 1200×600 | 1200×1200 |
| 1 | Master Eg | 2,8/m² | 1,4/m² | 0,7/m² |
| 2 | Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,9m/m² | 0,9m/m² | 0,9m/m² |
| 3 | Connect T24 Cross tee, L=1 200 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 ro | ow 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



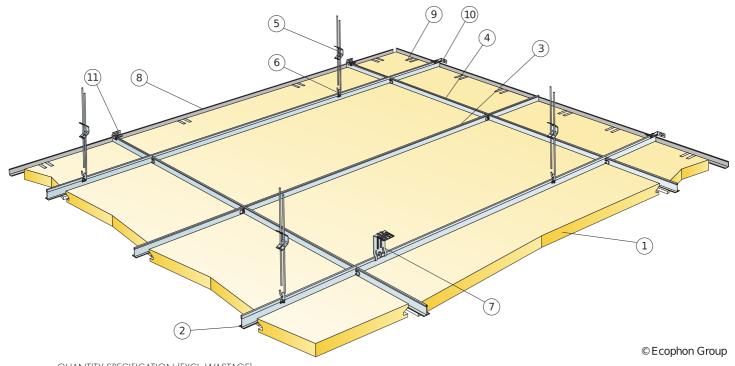
Straight cut edge with support clip. T-profiles resting on Angle trim.



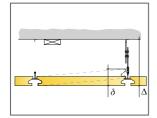
Lay in panel with edge design for floating ceiling appearance

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

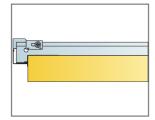
Live load/load bearing capacity



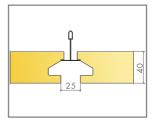
| | | Size, mm |
|---|---|--------------------------------|
| | | 1200×600 |
| 1 | Master Eg | 1,4/m² |
| 2 | Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm) | O,9m/m² |
| 3 | Connect T24 Cross tee, L=1200 mm | 0,85m/m² |
| 1 | Connect T24 Cross tee, L=1200 mm | 0,85m/m ² |
| 5 | Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m² |
|) | 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 |
| 3 | Connect Angle trim, fixed at 300 mm centres | as required |
| > | Connect Support clip DG25 | 1/300-400mm on any cut edge |
| 0 | Connect Wall Bracket for Main runners | 1/suspended row of Main runner |
| 1 | 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 | |



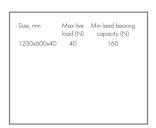
See Quantity specification



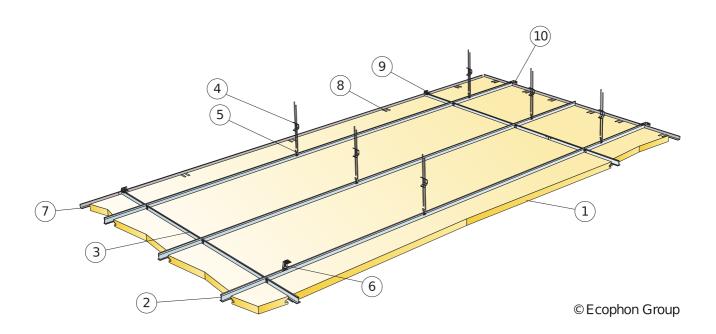
Straight cut edge with support clip. T-profiles resting on Angle trim.



Lay in panel with edge design for floating ceiling appearance

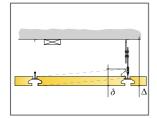


Live load/load bearing capacity

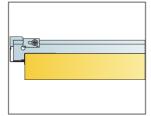


QUANTITY SPECIFICATION (EXCL. WASTAGE)

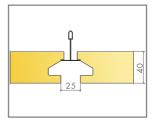
| | | Size, mm | | |
|----|---|-----------------------------|-----------------------------|-----------------------------|
| | | 600×600 | 1200×600 | 2400×600 |
| 1 | Master Eg | 2,8/m² | 1,4/m² | 0,7/m² |
| 2 | Connect T24 Main runner, installed at 600 mm centres (max. distance from wall 600 mm) | 1,7m/m² | 1,7m/m² | 1,7m/m² |
| 3 | Connect T24 Cross tee, L=600 mm | 1,7m/m² | 0,9m/m² | 0,45m/m ² |
| 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

| 600x600x40 40 160 1200x600x40 40 160 2400x600x40 40 160 |
|---|
| |
| 2400x600x40 40 160 |
| |

Live load/load bearing capacity



Ecophon Master™ F

Ecophon Master™ F is installed directly to an existing plaster ceiling, boarding, battens or concrete to create a ceiling with a smooth appearance. Suitable for schools, open plan offices or other premises where strict demands are made on good acoustics.



SYSTEM RANGE



| Size, mm | 600x600 | 1200x600 |
|-----------------|---------|----------|
| Direct | • | • |
| Thickness (THK) | 40 | 40 |
| Inst. Diagr. | M52 | M52 |

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Master F tile







Master F is installed by screw fixing

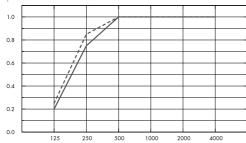
Acoustic



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.

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



- --- Master F 40 mm, 60 mm o.d.s. o.d.s = overall depth of system

- Master F 40 mm, 40 mm o.d.s.

Frequency Hz

| THK | o.d.s. mm | | α _{p′} Pr | actical soun | d absorption c | coefficient | | $\alpha_{_{\!\scriptscriptstyle{ m W}}}$ | Sound absorption class | |
|-----|---------------|--------|--------------------|--------------|----------------|-------------|---------|--|------------------------|--|
| mm | O.d.s. IIIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _w | Soona absorption class | |
| 40 | 40 | 0.20 | 0.75 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А | |
| 40 | 60 | 0.25 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А | |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 40 | 40 | 0.95 | 0.96 |
| 40 | 60 | 0.95 | 0.98 |

Indoor Air Quality

| Certificate / Label | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |
| Finnish M1 | • |









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 CertificateTM 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.

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Environmental Footprint

| | kg CO2 equiv/m² | Life-cycle stages A1 to C4 from EPD, in conformity with ISO |
|----------|-----------------|---|
| Master F | <i>7</i> ,30 | 14025 / EN 15804 |



Circularity

| Minimum post-consumer recycled content | 63% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | non-combustible according to £14 150 1162. |



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 not demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces. If very uneven surfaces – installation of furring (evenly spaced timber battens) as the substrate for the tiles is recommended.



System weight

The weight of the system should be approximately 5 kg/m 2 .



Mechanical properties

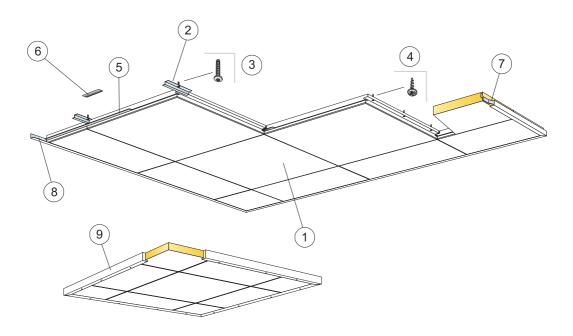
Additional live load has to be fixed to the soffit.



CE

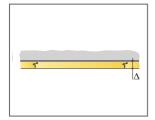
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

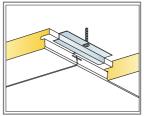
© Saint-Gobain Ecophon AB Ecophon MasterTM F, 2024-03-28



QUANTITY SPECIFICATION (EXCL. WASTAGE)

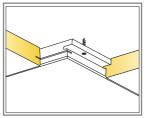
| | Size, mm | |
|--|-------------------------|-------------------------|
| | 600×600 | 1200×600 |
| 1 Master F | 2,8/m² | 1,4/m² |
| 2 Connect Direct fixing plate F 0152, installed at 600 mm centres (for use in concrete) | 2,8/m² | 2,8/m² |
| 3 Connect Anchor screw, installed at 600 mm centres (for use in concrete) | 2,8/m² | 2,8/m² |
| 4 Connect Installation screw MVL (for use in plasterboard or timber) | 8,3/m² | 7/m² |
| 5 Connect Spline F, L=600 mm. Must be used in Sweden, Denmark, Norway and Finland at fireclass 'Tändskyddande beklädnad' | 2,8/m² | 1,4/m² |
| 6 Connect Spline, L=150 mm | 2,8/m² | 1,4/m² |
| 7 Connect Wall spring spacer | 1/panel in the last row | 2/panel in the last row |
| 8 Connect Angle trim, fixed at 300 mm centres | as required | as required |
| 9 When installing floating ceilings: Connect Wood trim, L=3000, fixed at 500 mm centres | as required | as required |
| Δ Min. overall depth of system: 40 mm | | |
| δ Min. demounting depth: The system is not demountable | - | - |





Installation in concrete





Installation in plasterboard or timber

| - | - |
|---|---|
| - | - |
| | |
| | |
| | |
| | |
| | |
| | |

Live load/load bearing capacity

© Saint-Gobain Ecophon AB



Ecophon Master™ SQ

Ecophon Master™ SQ has bonded tiles directly to the soffit surface. Installed with a gap between each tile the result is a ceiling with a smooth appearance. Suitable for schools, open plan offices or other premises where strict demands are made on good acoustics.



SYSTEM RANGE



| Size, mm | 600x600 | 1200x600 |
|-----------------|---------|----------|
| Direct | • | • |
| Thickness (THK) | 40 | 40 |
| Inst. Diagr. | M106 | M106 |

© Saint-Gobain Ecophon AB Ecophon Master™ SQ, 2024-03-28







Master SQ tile

Section of Master SQ system

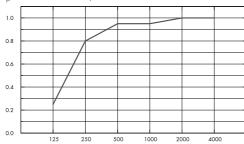
Acoustic



Sound Absorption:

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

 $lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient

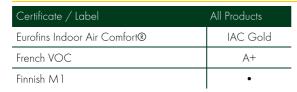


Master SQ 40 mm, 43 mm o.d.s.o.d.s = overall depth of system

Frequency Hz

| THK | o.d.s. mm | | $lpha_{p'}$ Pr | actical soun | d absorption c | coefficient | | $\alpha_{\scriptscriptstyle{W}}$ | w Sound absorption class | |
|-----|---------------|--------|----------------|--------------|----------------|-------------|---------|----------------------------------|--------------------------|--|
| mm | 0.u.s. IIIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | o. _w | Sound absorption class | |
| 40 | 43 | 0.25 | 0.80 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | A | |

Indoor Air Quality











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 CertificateTM at the Silver level (standard version 4.0). The C2C Certified Material Health CertificateTM 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.



Environmental Footprint

| kg CO2 equiv/m² | | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|-----------------|------|--|
| Master SQ | 7.20 | - 14023 / EIN 13604 |

© Saint-Gobain Ecophon AB Ecophon Master™ SQ, 2024-03-28



Circularity

| Minimum post-consumer recycled content | 62% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | 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 not demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even, however an acceptable result could be achieved on slightly uneven surfaces.



System weight

The weight of the system should be approximately 5 kg/m^2 .



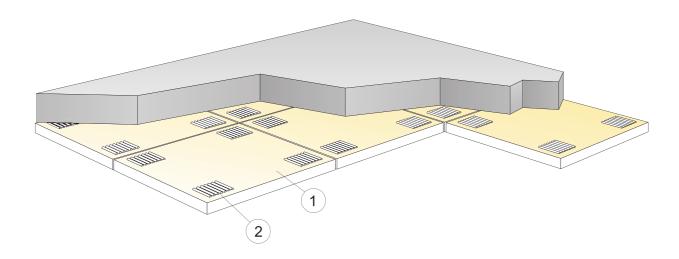
Mechanical properties

Additional live load has to be fixed to the soffit.



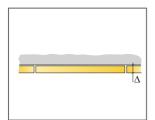
CE

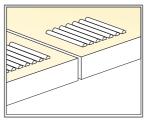
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm | |
|---|---|-------------|-------------|
| | | 600×600 | 1200×600 |
| 1 | Master SQ | 2,8/m² | 1,4/m² |
| 2 | Connect Absorber glue [0,25]/m² - 0,4]/m² depending on installation conditions] | as required | as required |
| | Use Connect Notched spatula to apply the glue. | - | - |
| | Δ Min. overall depth of system: 43 mm | - | - |
| | δ Min. demounting depth: The system is not demountable | - | - |
| | Cut visible edges should be painted | - | - |
| | * Panel Module size 600x600 (592x592), 1200x600 (1192x592) | - | - |





Application of glue

| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|----------------------|----------------------------------|
| 600x600x40 | - | - |
| 1200x600x40 | | - |
| | | |
| | | |
| | | |
| | | |
| | | |

Live load/load bearing capacity

© Saint-Gobain Ecophon AB



Ecophon MasterTM Rigid A

Ecophon Master™ Rigid A has an exposed grid system. Each tile is secured in the grid by clips and is fully demountable. The surface is a reinforced sandwich construction. Used together with Ecophon Extra Bass, optimal acoustics are achieved.



SYSTEM RANGE



| Size, mm | 600x600 | 1200x600 | XL 1600x600 | XL 1800x600 | XL 2000x600 | XL 2400x600 |
|-----------------|---------|----------|----------------|----------------|----------------|----------------|
| Extra Bass | • | • | | | | |
| T24 | • | • | • | • | • | • |
| Thickness (THK) | 20 | 20 | 20 | 20 | 20 | 20 |
| Inst. Diagr. | M316EB | M316EB | M333 | M333 | M333 | M333 |



Master Rigid A tile



Section of Master Rigid A system with



Master Rigid A system with Connect

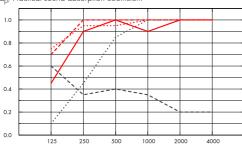
Acoustic



Sound Absorption:

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

$lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



- ···· Master Rigid A 20 mm, 50 mm o.d.s.
- Master Rigid A 20 mm, 200 mm o.d.s.
- --- Master Rigid A 20 mm + Extra Bass 50 mm, 200 mm o.d.s.
- ···· Master Rigid A 20 mm + 2xExtra Bass 100 mm, 200 mm o.d.s.
- --- Master Rigid A gamma 20 mm, 200 mm o.d.s.

 $F_{\text{requency Hz}}$ o.d.s = overall depth of system

| | THK | o.d.s. mm — | $lpha_{ m p}$, Practical sound absorption coefficient | | | | | α_{w} | Sound absorption class | |
|-----------------|-----|---------------|--|--------|--------|---------|---------|--------------|------------------------|------------------------|
| | mm | O.G.S. IIIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | ∞ _w | Sound absorption class |
| - | 20 | 50 | 0.10 | 0.45 | 0.85 | 1.00 | 1.00 | 1.00 | 0.75 | С |
| - | 20 | 200 | 0.45 | 0.90 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | А |
| + Extra Bass | 70 | 200 | 0.70 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А |
| + 2xExtra Bass, | 120 | 200 | 0.75 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | А |
| gamma | 20 | 200 | 0.60 | 0.35 | 0.40 | 0.35 | 0.20 | 0.20 | 0.30 | D |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 20 | 50 | 0.80 | 0.83 |
| 20 | 200 | 0.95 | 0.93 |
| 70 | 200 | 1.00 | 1.00 |
| 20 | 200 | 0.35 | 0.33 |

Indoor Air Quality



| Certificate / Label | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |
| Finnish M 1 | • |







Environmental Footprint



| | kg CO2 equiv/m² | Life-cycle stages A1 to C4 from EPD, in conformity wit | |
|----------------|-----------------|--|--|
| Master Rigid A | 2,95 | 14023 / LIN 13004 | |



Circularity

| Minimum post-consumer recycled content | 46% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire standard | Class | The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. |
|---------|---------------|----------|--|
| Europe | EN 13501-1 | A2-s1,d0 | non-combustible according to LTV 130-1162. |



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 secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.



Installation

Installed according to installation diagrams, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid and Extra Bass) should be approximately 3,5 kg/m².



Mechanical properties

See table regarding the min- and max- load bearing capacities and functional demands.



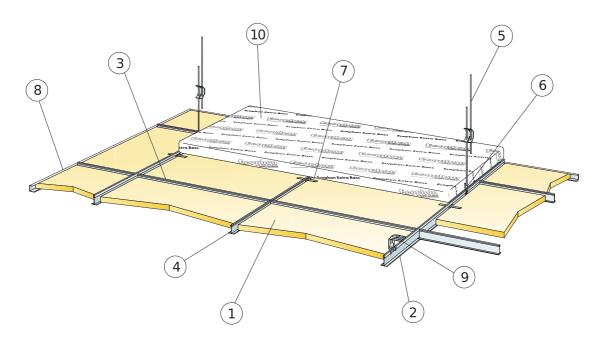
Impact Resistance

| M-sketch | | Tested and classified according to EN 13964 annex D. |
|----------|----|--|
| M316 | 3A | |

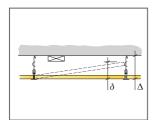


CE

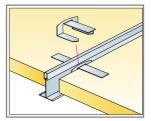
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



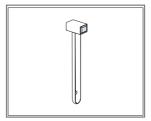
| | Size, mm | |
|---|-------------|-------------|
| | 600×600 | 1200×600 |
| Master Rigid A | 2,8/m² | 1,4/m² |
| Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m² | 0,9m/m² |
| Connect T24 Cross tee, L=1 200 mm, installed at 600 mm centres | 1,7m/m² | 1,7m/m² |
| Connect T24 Cross tee, L=600 mm | 0,9m/m² | - |
| Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m² | 0,7/m² |
| Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² | 0,7/m² |
| Connect Hold down clip A | 2pcs/panel | 2pcs/panel |
| Connect Channel trim, fixed at c300 mm (1200x1200, c200 mm) | as required | as required |
| For direct installation: Connect Direct bracket, installed at 1200 mm centres | 0,7/m² | 0,7/m² |
| O Extra Bass (1200x600x50 mm) | 0,7/m² | 0,7/m² |
| 1 Connect Demounting tool | | |
| Δ Min. overall depth of system: 100 mm | - | |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - | - |
| For luminaire integration in panels use Connect Bridging | | |







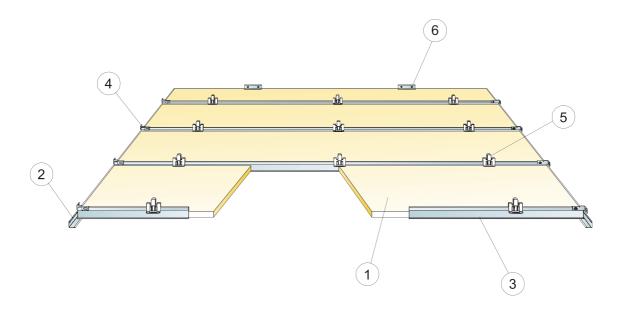
Connect Hold down clip A (patent pending)



Connect Demounting tool

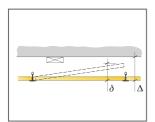
| 160 |
|-----|
| |
| |
| |

Live load/load bearing capacity

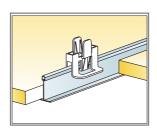


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | | Size, mm | Size, mm | | |
|---|---|-------------------|-----------------|-----------------|-----------------|
| | | 1600×600 | 1800×600 | 2000×600 | 2400×600 |
| 1 | Master Rigid A XL | 1,05/m² | 0,95/m² | 0,85/m² | 0,7/m² |
| | Connect Angle trim, fixed at 200 mm centres | as required | as required | as required | as required |
| | Connect T24 Corridor profile, installed at 600 mm centres | 1,05/m² | 0,95/m² | 0,85/m² | 0,7/m² |
| | Connect Wall bracket for T-profiles | 2/row of corridor | profile | | |
| | Connect Hygiene clip 20 | 3,15/m² (3/tile) | 2,8/m² (3/tile) | 2,5/m² (3/tile) | 2,1/m² (3/tile) |
| | Connect Angle trim | as required | as required | as required | as required |
| | Δ Min. overall depth of system: 150 mm | | - | - | - |
| | δ Min. demounting depth: 150 mm | | | - | |



See Quantity specification



Clip for keeping tiles in place

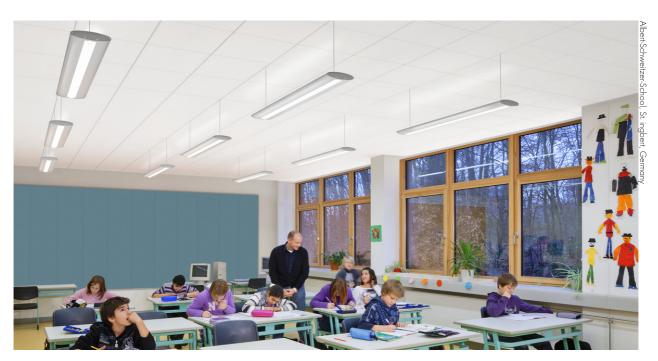
| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|----------------------|----------------------------------|
| 1600x600x20 | 40 | - |
| 1800x600x20 | 20 | - |
| 2000x600x20 | 10 | - |
| 2400x600x20 | 0 | - |

Live load/load bearing capacity



Ecophon Master™ Rigid Dp

Ecophon Master™ Rigid Dp is a patented, semiconcealed grid system for use when a lockable, impact resistant system is required. Features a reinforced sandwich construction. For classrooms or other spaces that require good acoustics and speech intelligibility, and can also be demounted.



SYSTEM RANGE



| Size, mm | | |
|-----------------|--------------|--------------|
| | 600x600 | 1200x600 |
| Extra Bass | • | • |
| T24 | • | • |
| Thickness (THK) | 20 | 20 |
| Inst. Diagr. | M318EB, M319 | M318EB, M319 |



Master Rigid Dp tile



Section of Master Rigid Dp system with Connect T24



Master Rigid Dp system with Connect

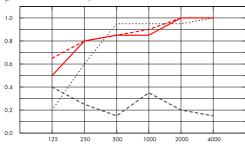
Acoustic



Sound Absorption:

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

$lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient

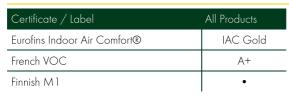


- Master Rigid Dp 20 mm, 65 mm o.d.s.
- Master Rigid Dp 20 mm, 200 mm o.d.s.
- --- Master Rigid Dp 20 mm + Extra Bass 50 mm, 200 mm o.d.s.
- --- Master Rigid Dp gamma 20 mm, 200 mm o.d.s. o.d.s = overall depth of system

Frequency Hz

| | THK | o.d.s. mm | $lpha_{ m p}$, Practical sound absorption coefficient | | | | | | α_{w} | Sound absorption class |
|--------------|-----|---------------|--|--------|--------|---------|---------|---------|-------------------|------------------------|
| | mm | O.G.S. IIIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | · 0. _W | Sound absorption class |
| - | 20 | 65 | 0.20 | 0.60 | 0.95 | 0.95 | 0.95 | 1.00 | 0.90 | А |
| - | 20 | 200 | 0.50 | 0.80 | 0.85 | 0.85 | 1.00 | 1.00 | 0.90 | А |
| + Extra Bass | 70 | 200 | 0.65 | 0.80 | 0.85 | 0.90 | 1.00 | 1.00 | 0.90 | А |
| gamma | 20 | 200 | 0.40 | 0.25 | 0.15 | 0.35 | 0.20 | 0.15 | 0.20 | E |

Indoor Air Quality

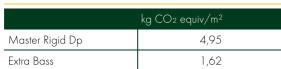








Environmental Footprint



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



Circularity

| Minimum post-consumer recycled content | 55% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

| Country | Fire 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 secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.



Installation

Installed according to installation diagrams, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid and Extra Bass) should be approximately 4 kg/m².



Mechanical properties

See table regarding the min- and max- load bearing capacities and functional demands.



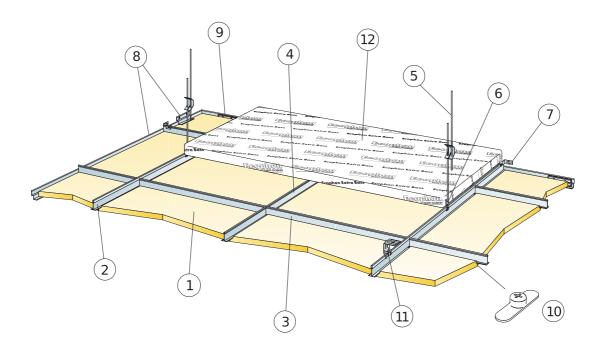
Impact Resistance



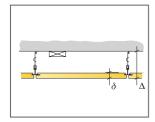


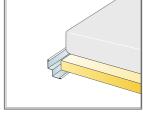
CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

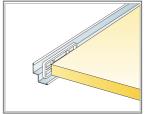


| | Size, mm | |
|---|----------------------------------|----------------------------------|
| | 600×600 | 1200×600 |
| 1 Master Rigid Dp | 2,8/m² | 1,4/m² |
| 2 Connect T24 Main runner, installed at 1200 mm centres [max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall]. | 0,9m/m² | 0,9m/m² |
| 3 Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m² | 1,7m/m² |
| 4 Connect T24 Cross tee, L=600 mm | 0,9m/m² | - |
| 5 Connect Adjustable hanger, installed at 1 200 mm centres (max. distance from wall 600 mm) | 0,7/m² | 0,7/m² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m² | 0,7/m² |
| 7 Connect Wall bracket for T-profiles(For every suspended row of main runner and every second row of cross tee) | as required | as required |
| 8 Connect Shadow-line trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Wall spacer 5 | 1/cut tile with one bearing edge | 2/cut tile with one bearing edge |
| 10 Connect Panel lock Dp | 1/panel | 2/panel |
| 11 For direct installation: Connect Direct bracket, installed at 1200 mm centres | 0,7/m² | 0,7/m² |
| 12 Extra Bass (1200x600x50 mm) | 0,7/m² | 0,7/m² |
| Δ Min. overall depth of system: 115 mm | | |
| δ Min. demounting depth: 20 mm (tiles without Extra Bass above) | | |
| For luminaire integration in panels use Connect Bridging | | |





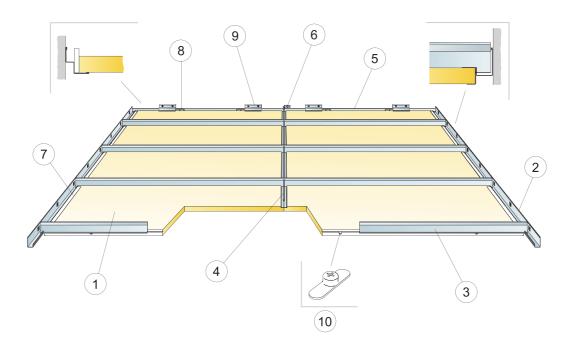
Wall connection with Connect Shadow-line trim



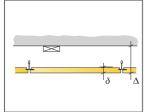
Connect Wall spacer 5 for locking of the perimeter tile

| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|----------------------|----------------------------------|
| 600x600x20 | 50 | 160 |
| 1200x600x20 | 50 | 160 |

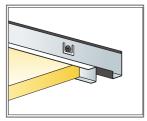
Live load/load bearing capacity



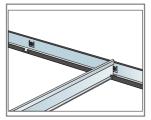
| | | Size, mm | |
|----|--|----------------------------------|----------------------------------|
| | | 600×600 | 1200×600 |
| 1 | Master Rigid Dp | 2,8/m² | 1,4/m² |
| 2 | Connect Modular Wall trim | as required | as required |
| 3 | Connect T24 Corridor profile | as required | as required |
| 4 | Connect T24 Cross tee, L=600 mm | 0,9m/m² | - |
| 5 | Connect Shadow-line trim, fixed at 300 mm centres | as required | as required |
| 6 | Connect Wall bracket for T-profiles | 2 /row of cross tee | |
| 7 | Connect Cover trim Dp/Dg | as required | as required |
| 8 | Connect Wall spacer 5 | 1/cut tile with one bearing edge | 2/cut tile with one bearing edge |
| 9 | Connect Shadow-line trim | as required | as required |
| 10 | Connect Panel lock Dp | 1/panel | 2/panel |
| | Δ Min. overall depth of system: 115 mm | | |
| | δ Min. demounting depth: 20 mm | | |
| | For luminaire integration in panels use Connect Bridging | | |



See Quantity specification



Tile and Connect Cover trim Dp/Dg



Corridor profile positioned by Modular wall trim

| Size, mm | Max live load (N) | Min load bearing capacity (N) |
|-------------|----------------------|----------------------------------|
| 600x600x20 | 0 | - |
| 1200x600x20 | 0 | - |
| | | |
| | | |
| | | |
| | | |

Live load/load bearing capacity



Ecophon Master™ Rigid E

Ecophon Master™ Rigid E has a recessed visible grid and tegular edge to create a shadow effect ceiling, accentuating each tile and partially concealing the grid system. Secured by clips, each tile is fully demountable. Together with Ecophon Extra Bass optimal acoustics are achieved.



SYSTEM RANGE



| Size, mm | | | |
|-----------------|---------|----------|-----------|
| | 600x600 | 1200×600 | 1200×1200 |
| Extra Bass | • | • | • |
| T24 | • | • | • |
| Thickness (THK) | 20 | 20 | 20 |
| Inst. Diagr. | M317EB | M317EB | M317EB |







Section of Master Rigid E system with



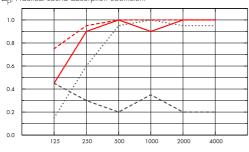
Master Rigid E system with Connect

Acoustic

Sound Absorption:

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

$lpha_{\scriptscriptstyle D}$, Practical sound absorption coefficient



- ···· Master Rigid E 20 mm, 60 mm o.d.s.
- Master Rigid E 20 mm, 200 mm o.d.s.
- --- Master Rigid E 20 mm + Extra Bass 50 mm, 200 mm o.d.s.
- --- Master Rigid E gamma 20 mm, 200 mm o.d.s. o.d.s = overall depth of system

| | Frequency | Hz |
|--|-----------|----|
|--|-----------|----|

| | o.d.s. mm | $lpha_{\sf p}$, Practical sound absorption coefficient | | | | | | ď | Sound absorption class | |
|--------------|-----------|---|--------|--------|--------|---------|---------|---------|------------------------|------------------------|
| | mm | 0.d.s. IIIII | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | α_{w} | Sound absorption class |
| - | 20 | 60 | 0.15 | 0.60 | 0.95 | 1.00 | 0.95 | 0.95 | 0.90 | А |
| - | 20 | 200 | 0.45 | 0.90 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | А |
| + Extra Bass | 70 | 200 | 0.75 | 0.95 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | А |
| gamma | 20 | 200 | 0.45 | 0.30 | 0.20 | 0.35 | 0.20 | 0.20 | 0.25 | E |

Indoor Air Quality

| Certificate / Label | All Products |
|------------------------------|--------------|
| Eurofins Indoor Air Comfort® | IAC Gold |
| French VOC | A+ |
| Finnish M1 | • |

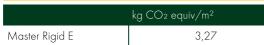








Environmental Footprint



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



Circularity

| Minimum post-consumer recycled content | 45% |
|--|------------------|
| Recyclability | Fully recyclable |



Fire safety

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

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 secured in the grid, but demountable. Minimum demounting depth according to installation diagrams.



Installation

Installed according to installation diagrams, installationguides and drawing aid. For information regarding minimum overall depthof system see quantity specification.



System weight

The weight of the system (including suspension grid) should be approximately 5 kg/m².



Mechanical properties

See table regarding the min- and max- load bearing capacities and functional demands.



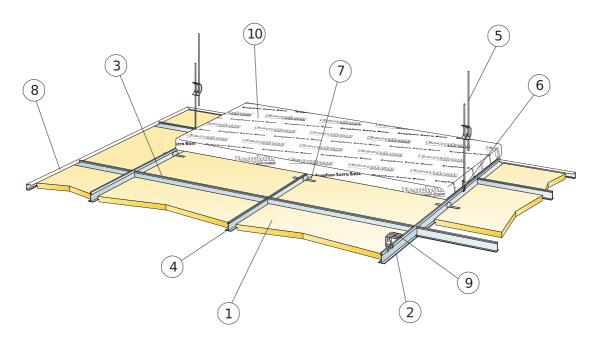
Impact Resistance



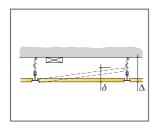


CE

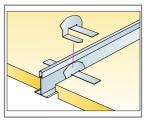
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



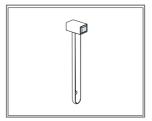
| | Size, mm | Size, mm | |
|--|----------------------------|-------------|-------------|
| | 600×600 | 1200×600 | 1200×1200 |
| 1 Master Rigid E | 2,8/m² | 1,4/m² | 0,7/m² |
| 2 Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 between Main runner and wall). | mm if no live load 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 Connect Hold down clip E | 2pcs/panel | 2pcs/panel | 2pcs/panel |
| 8 Connect Channel trim, fixed at c300 mm (1200x1200, c200 mm) | as required | as required | as required |
| 9 For direct installation: Connect Direct bracket, installed at 1200 mm centres | 0,7/m² | 0,7/m² | 0,7/m² |
| 10 Extra Bass (1200x600x50 mm) | 0,7/m² | 0,7/m² | 0,7/m² |
| 11 Connect Demounting tool | | - | - |
| Δ Min. overall depth of system: 110 mm | | - | - |
| δ Min. demounting depth: 120 mm [tiles without Extra Bass above] | | - | - |
| For luminaire integration in panels use Connect Bridging | | - | |







Connect Hold down clip E (patent pending)



Connect Demounting tool

| Size, mm | Max live load (N) | | |
|--------------|----------------------|-----|--|
| 600x600x20 | 50 | 160 | |
| 1200x600x20 | 50 | 160 | |
| 1200x1200x20 | 50 | 160 | |

Live load/load bearing capacity