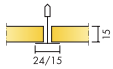


Ecophon Gedina™ A

Ecophon Gedina™ A has an exposed grid system with each tile individually demountable for easy access to above soffit. Ecophon Gedina™ A is made for applications which require an easy install, suspended ceiling and meet standard functional demands.



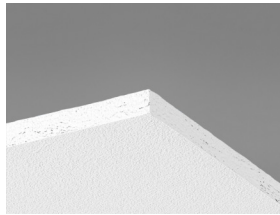
SYSTEM RANGE



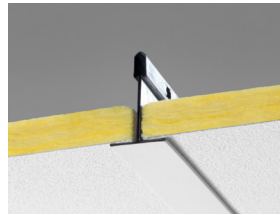
| Size, mm | 600x600 | 1200x600 | 1200x1200 |
|-----------------|------------|----------|-----------|
| Connect T15 | • | • | • |
| Connect T24 | • | • | • |
| Thickness (THK) | 15 | 15 | 15 |
| Inst. Diagr. | M118, M237 | M118 | M118 |



Gedina A tile



Gedina A tile



Section of Gedina A system



Gedina A system

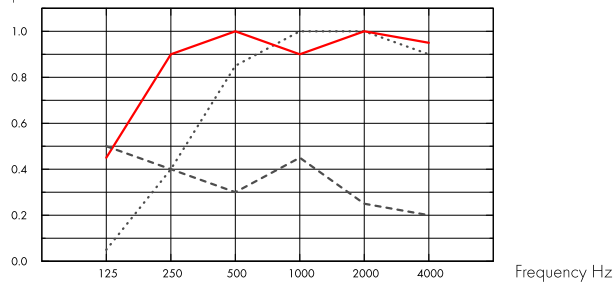
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



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

— Gedina A 15 mm, 200 mm o.d.s.

--- Gedina A/gamma 15 mm, 200 mm o.d.s.

o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|-------|--------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 50 | 0.05 | 0.40 | 0.85 | 1.00 | 1.00 | 0.90 | 0.70 | C |
| - | 15 | 200 | 0.45 | 0.90 | 1.00 | 0.90 | 1.00 | 0.95 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

| | THK mm | o.d.s. mm | NRC | SAA |
|---|--------|-----------|------|------|
| - | 15 | 50 | 0.80 | |
| - | 15 | 200 | 0.95 | 0.00 |
| - | 15 | 400 | 0.85 | 0.86 |

| THK mm | AC(1.5) Articulation Class, ASTM E1111, ASTM E1110 | D_{nfw} Weighted normalized flanking level difference, ISO 10848-2 | CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413 |
|--------|--|--|--|
| 15 | 190 | 19 | 19 |

Indoor Air Quality



Certificate / Label

Eurofins Indoor Air Comfort®

French VOC

IAC Gold

A+





Carbon footprint

| kg CO ₂ equiv/m ² | | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|---|------|--|
| Gedina A | 2,06 | |



Circularity

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



Fire safety

| Country | 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 | |



Humidity Resistance

| Classification |
|--------------------------|
| Class C, RH 95% and 30°C |



Visual appearance

White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

| | kg/m ² | Weight information is indicative and subject to variation. |
|--------------------------------------|-------------------|--|
| Gedina A | 1,3 | |
| Gedina A + Connect grid system | 2,3 | |
| Gedina A/Gamma | 1,7 | |
| Gedina A/Gamma + Connect grid system | 2,7 | |



Mechanical properties

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



CE

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

INSTALLATION DIAGRAM (M118) FOR ECOPHON GEDINA A



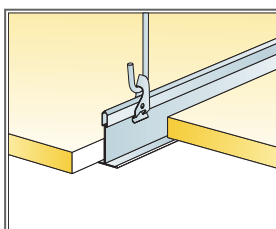
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

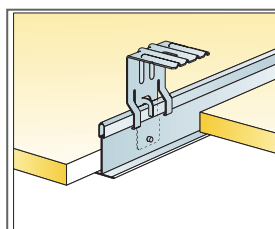
| | Size, mm | | |
|--|---------------------|---------------------|---------------------|
| | 600x600 | 1200x600 | 1200x1200 |
| 1 Gedina A | 2,8/m ² | 1,4/m ² | 0,7/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² | 0,9m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² | 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 Shadow-line Trim, fixed at 300 mm centres | as required | as required | as required |
| Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm | - | - | - |
| δ Min. demounting depth: 120 mm (130 mm with 1200x1200) | - | - | - |
| For luminaire integration in panels use Connect Bridging | - | - | - |



See Quantity Specification



Suspension with adjustable hanger and clip

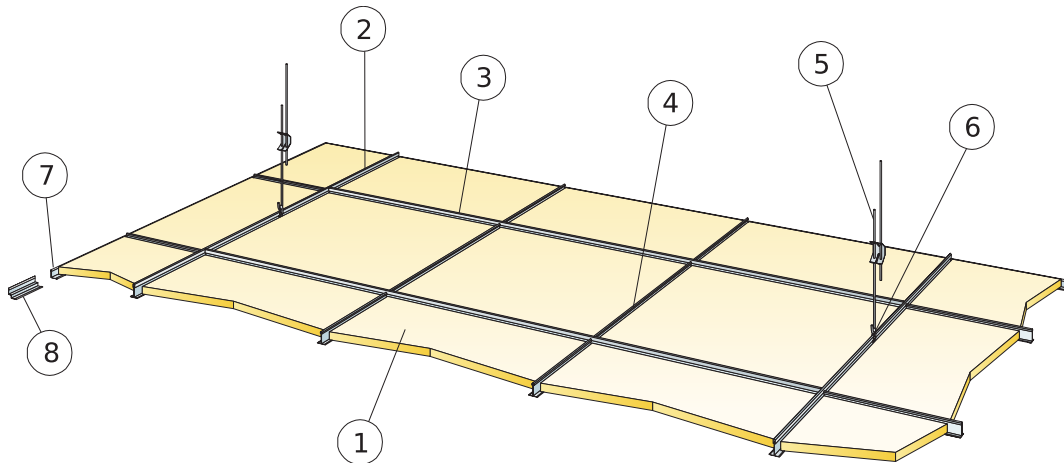


Suspension with direct bracket

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|--------------|-------------------|-------------------------------|
| 600x600x15 | 50 | 160 |
| 1200x600x15 | 50 | 160 |
| 1200x1200x15 | 50 | 160 |

Live load/load bearing capacity

INSTALLATION DIAGRAM (M237) FOR ECOPHON GEDINA A, CONNECT T24 MAIN RUNNER INSTALLED AT 1800 MM CENTRES



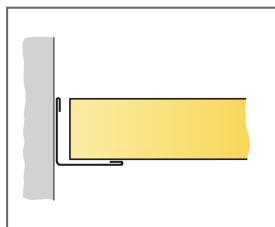
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

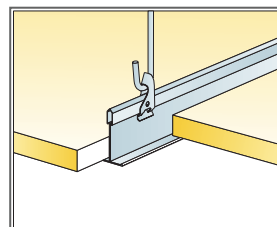
| | Size, mm |
|---|---------------------|
| | 600x600 |
| 1 Gedina A | 2,8/m ² |
| 2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,56/m ² |
| 3 Connect T24 Cross tee, L=1800 mm |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



See Quantity Specification



Straight cut, panel resting on wall trim



Suspension with adjustable hanger and clip

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|------------|-------------------|-------------------------------|
| 600x600x15 | 20 | 160 |

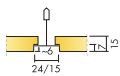
Live load/load bearing capacity

Ecophon Gedina™ E

Ecophon Gedina™ 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. For applications which require an easy install, suspended ceiling and meet standard functional demands.



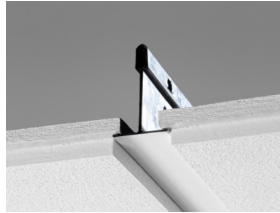
SYSTEM RANGE



| | | |
|-----------------|------------------|------------|
| Size, mm | 600x600 | 1200x600 |
| Connect T15 | • | • |
| Connect T24 | • | • |
| Thickness (THK) | 15 | 15 |
| Inst. Diagr. | M121, M270, M401 | M121, M401 |



Gedina E tile



Section of Gedina E system



Gedina E system

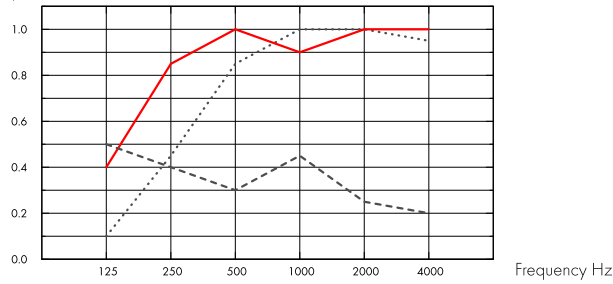
Acoustic



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.

α_p , Practical sound absorption coefficient



..... Gedina E 15 mm, 60 mm o.d.s.
 — Gedina E 15 mm, 200 mm o.d.s.
 --- Gedina E/gamma 15 mm, 200 mm o.d.s.
 o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|-------|--------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 60 | 0.10 | 0.45 | 0.85 | 1.00 | 1.00 | 0.95 | 0.75 | C |
| - | 15 | 200 | 0.40 | 0.85 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

| | THK mm | o.d.s. mm | NRC | SAA |
|---|--------|-----------|------|------|
| - | 15 | 60 | 0.85 | 0.86 |
| - | 15 | 400 | 0.85 | 0.83 |

| THK mm | AC(1.5) Articulation Class, ASTM E1111, ASTM E1110 | D_{nfw} Weighted normalized flanking level difference, ISO 10848-2 | CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413 |
|--------|--|--|--|
| 15 | 190 | 19 | 19 |

Indoor Air Quality



Certificate / Label

Eurofins Indoor Air Comfort®

IAC Gold

French VOC

A+





Carbon footprint

| kg CO ₂ equiv/m ² | | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|---|------|--|
| Gedina A | 2,62 | |



Circularity

| | |
|--|------------------|
| Minimum post-consumer recycled content | 44% |
| Recyclability | Fully recyclable |



Fire safety

| Country | 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 | |



Humidity Resistance

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



Visual appearance

White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

| | kg/m ² | Weight information is indicative and subject to variation. |
|--------------------------------------|-------------------|--|
| Gedina E | 1,3 | |
| Gedina E + Connect grid system | 2,3 | |
| Gedina E/Gamma | 1,7 | |
| Gedina E/Gamma + Connect grid system | 2,7 | |



Mechanical properties

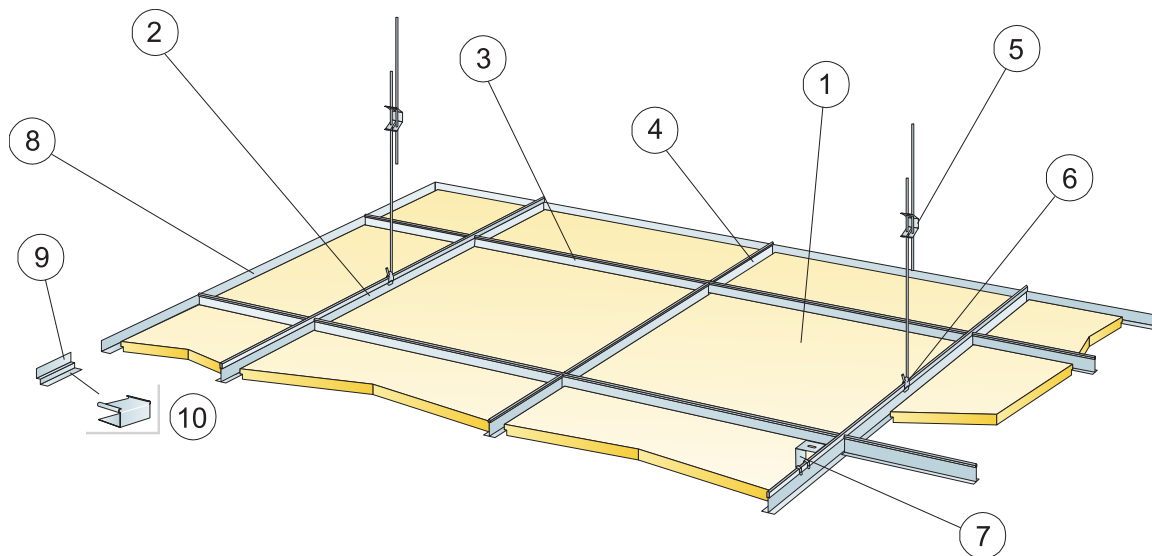
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

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

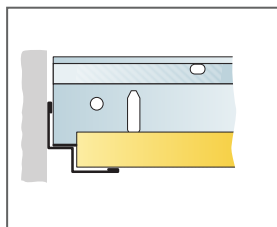
INSTALLATION DIAGRAM (M121) FOR ECOPHON GEDINA E T24



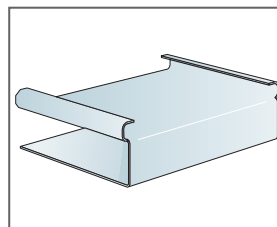
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|---|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina E | 2,8/m ² | 1,4/m ² |
| 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/m ² | 0,9m/m ² |
| 3 Connect T24 Cross Tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/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 |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Connect E-plug (for Connect 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: 120 mm (130 mm with 1200x1200) | - | - |
| For luminaire integration in panels use Connect Bridging | - | - |



Straight cut, panel resting on shadow-line trim.

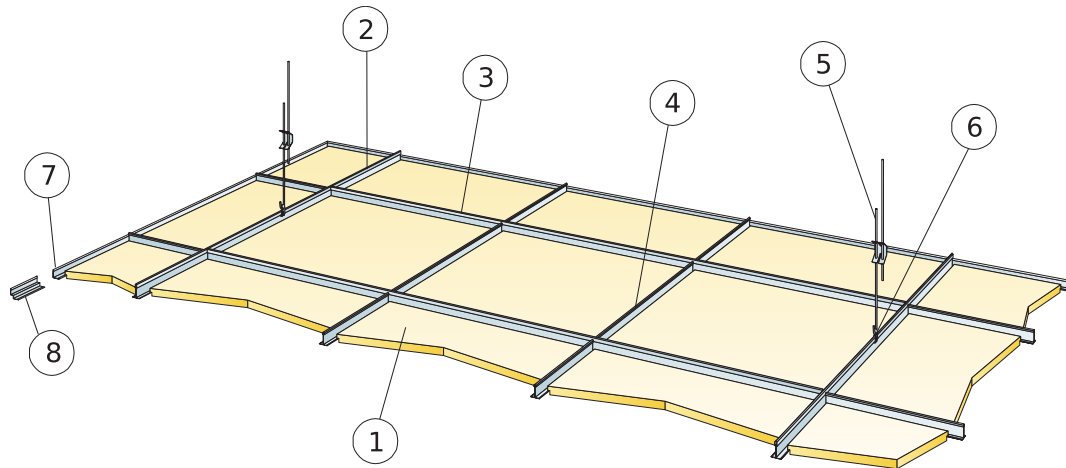


Connect E-plug

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 30 | 160 |
| 1200x600x15 | 30 | 160 |

Live load/load bearing capacity

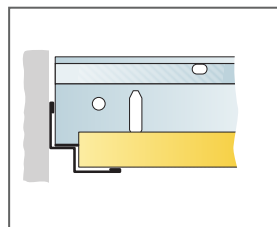
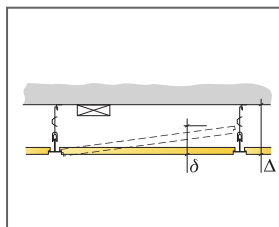
INSTALLATION DIAGRAM (M270) FOR ECOPHON GEDINA E, CONNECT T24 MAIN RUNNER INSTALLED AT 1800 MM CENTRES



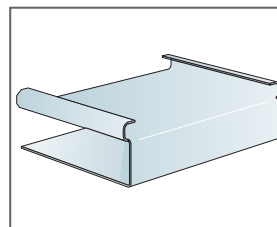
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm |
|---|---------------------|
| | 600x600 |
| 1 Gedina E | 2,8/m ² |
| 2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,56/m ² |
| 3 Connect T24 Cross tee, L=1800 mm | 1,7m/m ² |
| 4 Connect T24 Cross tee, L=600 mm | 1,1m/m ² |
| 5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,46/m ² |
| 6 Connect Hanger clip | 0,46/m ² |
| 7 Connect Angle trim, fixed at 300 mm centres | as required |
| 8 Alt. Connect Shadow-line Trim, fixed c300 | as required |
| Δ Min. overall depth of system, with adjustable hanger: 110 mm, with direct bracket: 60 mm | - |
| δ Min. demounting depth: 120 mm | - |
| For luminaire integration in panels use Connect Bridging | - |



Straight cut, panel resting on shadow-line trim.



Connect E-plug

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|------------|-------------------|-------------------------------|
| 600x600x15 | 20 | 160 |

Live load/load bearing capacity

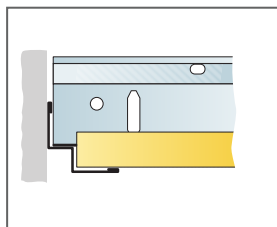
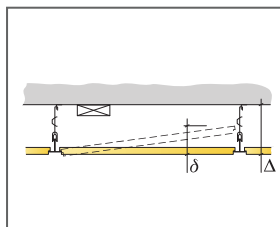
INSTALLATION DIAGRAM (M401) FOR ECOPHON GEDINA E T15



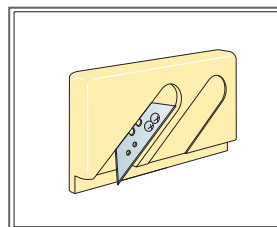
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|---|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina E T15 | 2,8/m ² | 1,4/m ² |
| 2 Connect T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| Δ Min. overall depth of system, with adjustable hanger: 110 mm, with direct bracket: 60 mm | - | - |
| δ Min. demounting depth: 120 mm | - | - |
| For luminaire integration in panels use Connect Bridging | - | - |



Straight cut, panel resting on shadow-line trim.



Cutting tool E

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 30 | 160 |
| 1200x600x15 | 30 | 160 |

Live load/load bearing capacity



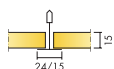
Ecophon Gedina™ A + Extra Bass

The Gedina™ A ceiling has an exposed grid with each tile easily demountable. Placed on top of the Gedina panel is the Extra Bass low frequency absorber. The suspended ceiling system is specially developed for spaces where low frequency absorption is required.

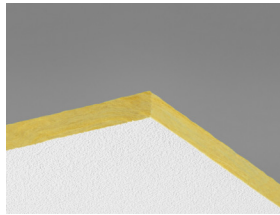


MFC Oostburg, Oostburg, Netherlands

SYSTEM RANGE



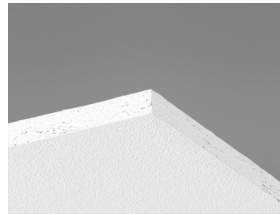
| | | |
|-----------------|---------|----------|
| Size, mm | 600x600 | 1200x600 |
| Extra Bass | • | • |
| T15 | • | • |
| T24 | • | • |
| Thickness (THK) | 15 | 15 |
| Inst. Diagr. | M376 | M376 |



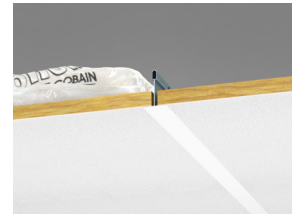
Gedina A tile



Gedina A system



Gedina A tile



Section of Gedina A + Extra Bass system

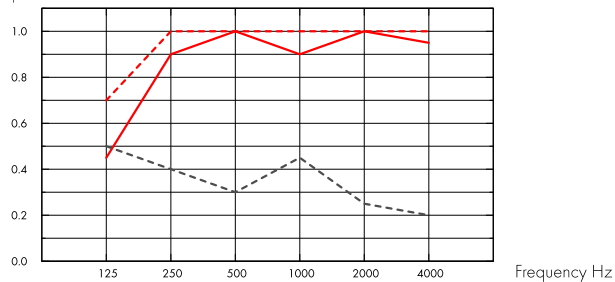
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



- Gedina A 15 mm, 200 mm o.d.s.
 - - Gedina A 15 mm + Extra Bass 50 mm, 200 mm o.d.s.
 - - - Gedina A/gamma 15 mm, 200 mm o.d.s.
- o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|--------------|--------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 200 | 0.45 | 0.90 | 1.00 | 0.90 | 1.00 | 0.95 | 1.00 | A |
| + Extra Bass | 65 | 200 | 0.70 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

| | THK mm | o.d.s. mm | NRC |
|---|--------|-----------|------|
| - | 15 | 200 | 0.95 |

Carbon footprint



| | kg CO ₂ equiv/m ² |
|------------|--|
| Gedina A | 2,06 (Gedina family EPD in conformity with ISO 14025 / EN 15804) |
| Extra Bass | 1,62 (Extra Bass EPD in conformity with ISO 14025 / EN 15804) |

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

Circularity



| | |
|---|------------------|
| Minimum post-consumer recycled content - Gedina A | 46% |
| Minimum post-consumer recycled content - Extra Bass | 66% |
| 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 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

| | kg/m ² |
|--------------------------------------|-------------------|
| Gedina E | 1,3 |
| Gedina E + Connect grid system | 2,3 |
| Gedina E/Gamma | 1,7 |
| Gedina E/Gamma + Connect grid system | 2,7 |

Weight information is indicative and subject to variation.



Mechanical properties

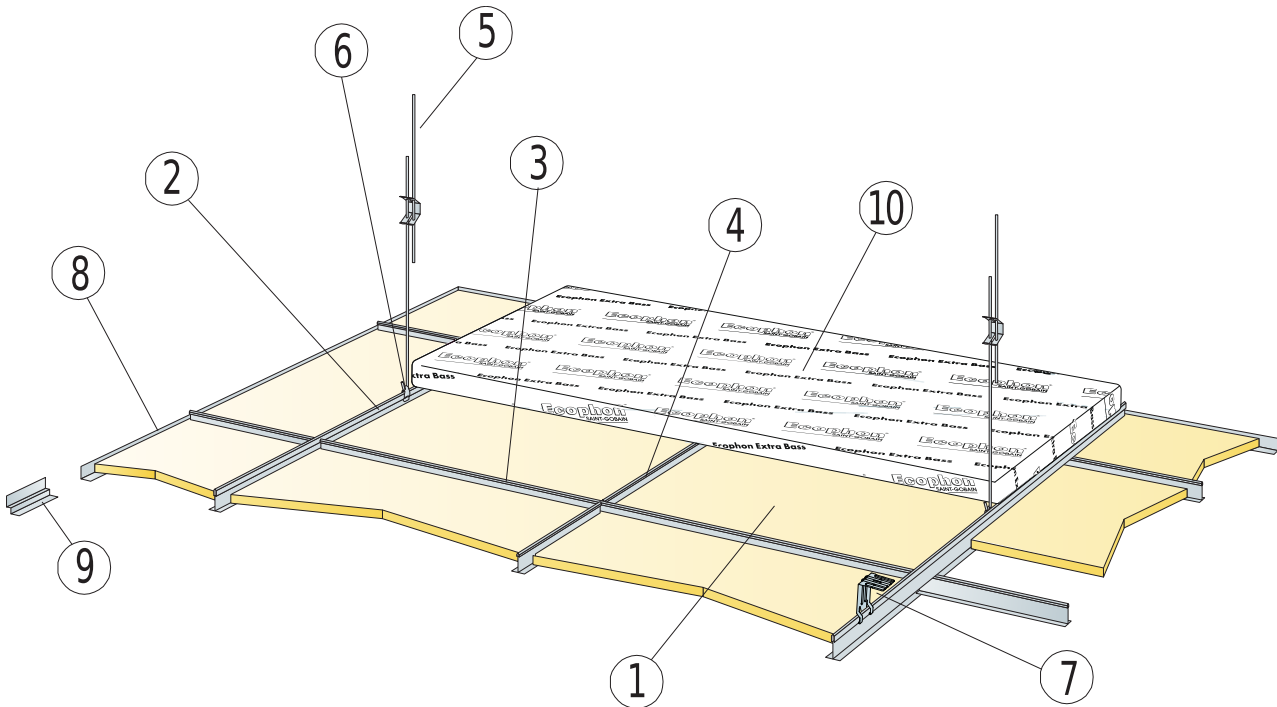
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

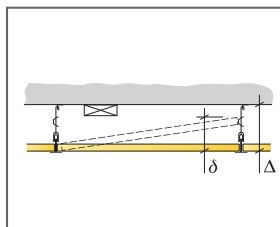
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M376) FOR ECOPHON GEDINA A + EXTRA BASS

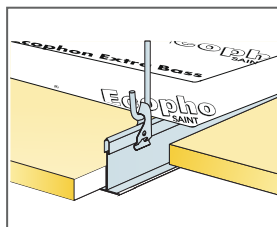


QUANTITY SPECIFICATION (EXCL. WASTAGE)

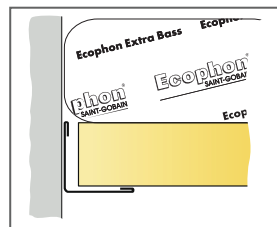
| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina A | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Extra Bass (1200x600x50 mm) | 0,7/m ² | 0,7/m ² |
| 11 | - | - |
| Δ Min. overall depth of system: 100 mm | - | - |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - | - |



See Quantity Specification



Suspension with Adjustable hanger



Panels resting on Angle trim

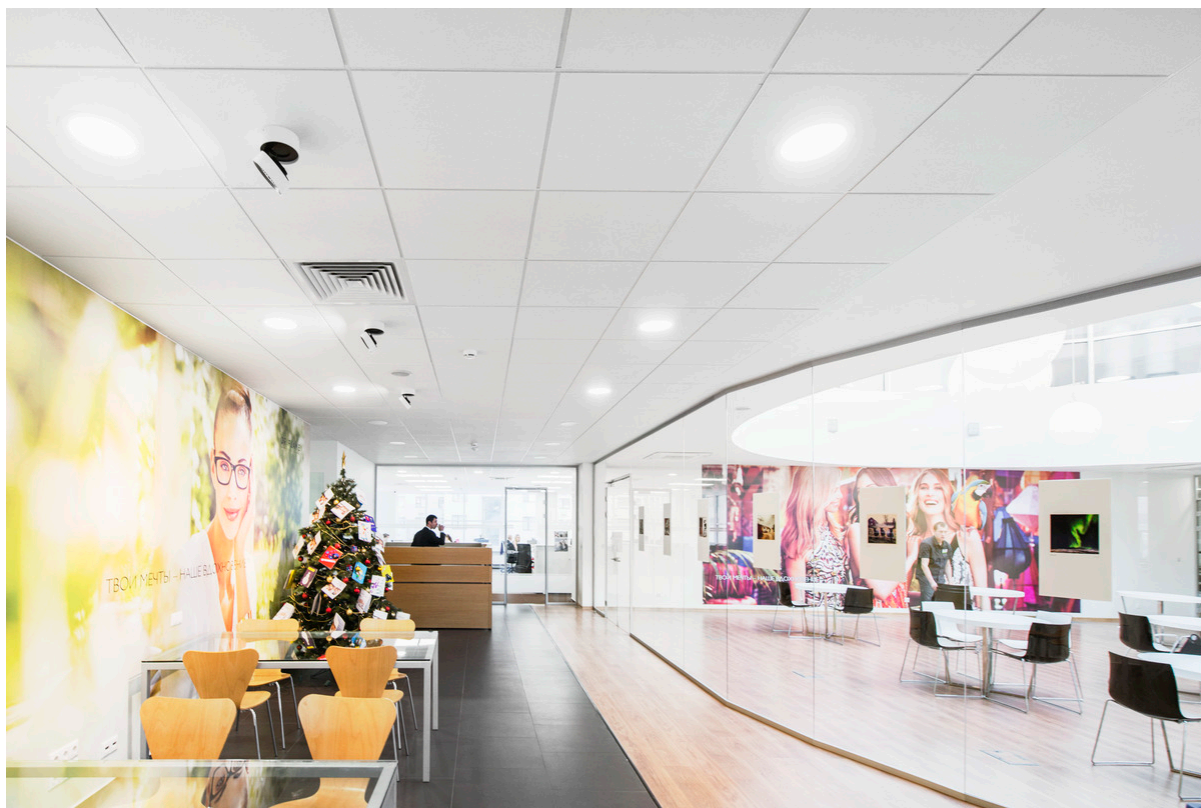
| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 30 | 160 |
| 1200x600x15 | 30 | 160 |

Live load/load bearing capacity



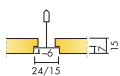
Ecophon Gedina™ E + Extra Bass

The Gedina™ E ceiling has a recessed visible grid and a regular edge design. Placed on top of the Gedina E panel is the Extra Bass low frequency absorber. This suspended ceiling system is especially well suited for spaces where low frequency absorption is required.



Oriflame, Moscow, Russia

SYSTEM RANGE



| Size, mm | 600x600 | 1200x600 |
|-----------------|------------|----------|
| Extra Bass | • | • |
| T15 | • | • |
| T24 | • | • |
| Thickness (THK) | 15 | 15 |
| Inst. Diagr. | M377, M380 | M377 |



Gedina E tile



Section of Gedina E + Extra Bass system



Gedina E system

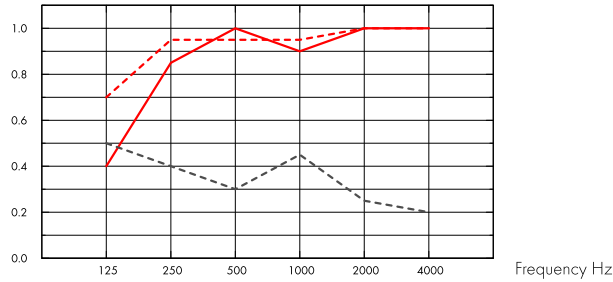
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



- Gedina E 15 mm, 200 mm o.d.s.
 - - Gedina E 15 mm + Extra Bass 50 mm, 200 mm o.d.s.
 - - - Gedina E/gamma 15 mm, 200 mm o.d.s.
- o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|--------------|--------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 200 | 0.40 | 0.85 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A |
| + Extra Bass | 65 | 200 | 0.70 | 0.95 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

Indoor Air Quality



Certificate / Label

Eurofins Indoor Air Comfort®

IAC Gold

French VOC

A+



Carbon footprint



kg CO₂ equiv/m²

| | |
|------------|--|
| Gedina E | 2,62 (Gedina family EPD in conformity with ISO 14025 / EN 15804) |
| Extra Bass | 1,62 (Extra Bass EPD in conformity with ISO 14025 / EN 15804) |

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



Circularity

| | |
|---|------------------|
| Minimum post-consumer recycled content - Gedina A | 44% |
| Minimum post-consumer recycled content - Extra Bass | 66% |
| 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 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

| | kg/m ² |
|--------------------------------------|-------------------|
| Gedina E | 1,3 |
| Gedina E + Connect grid system | 2,3 |
| Gedina E/Gamma | 1,7 |
| Gedina E/Gamma + Connect grid system | 2,7 |

Weight information is indicative and subject to variation.



Mechanical properties

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

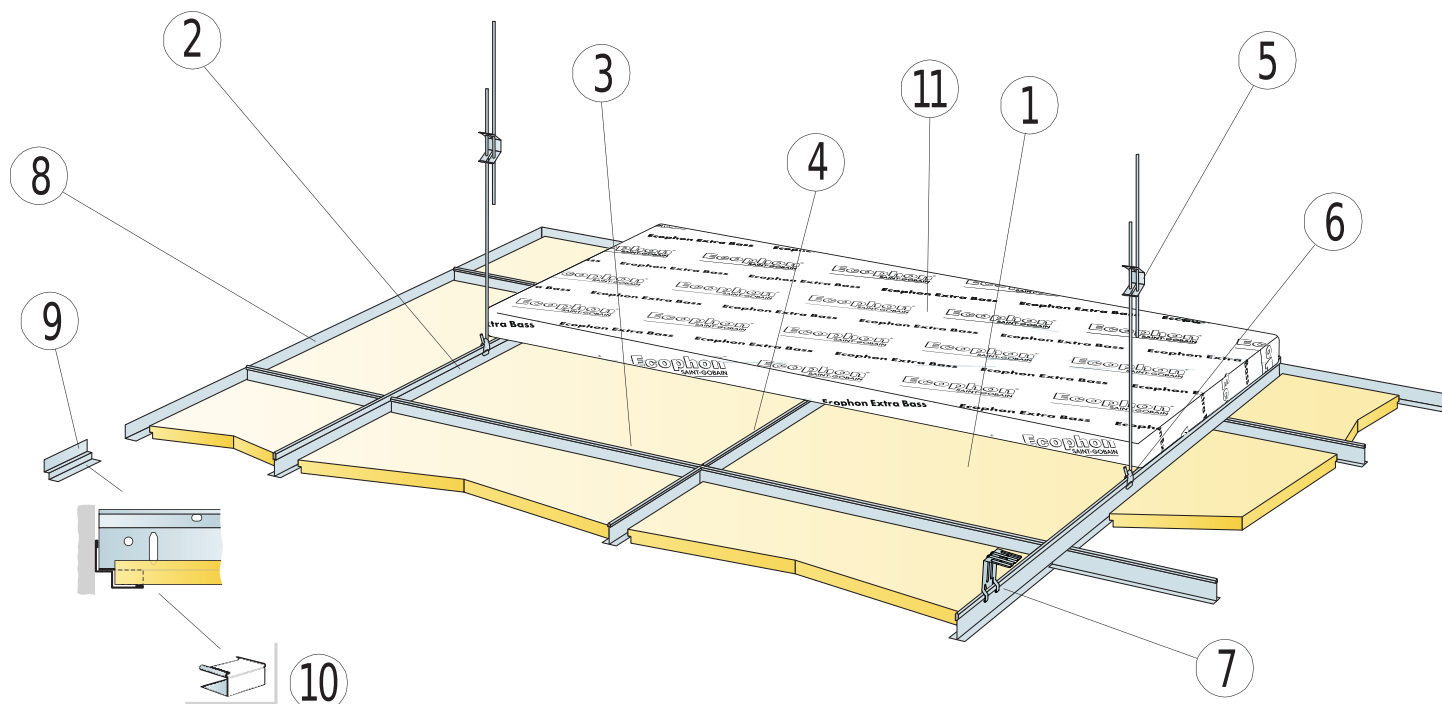


CE

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

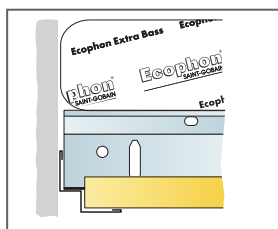
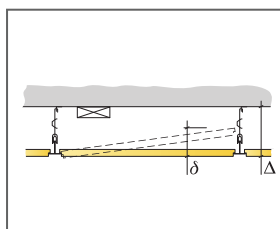
compare performance of products available on the European market.

INSTALLATION DIAGRAM (M377) FOR ECOPHON GEDINA E + EXTRA BASS

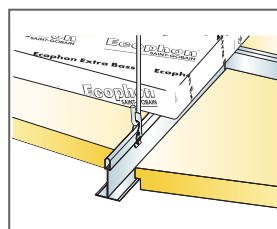


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina E | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Connect E-plug (for Connect Shadow-line Trim) | as required | as required |
| 11 Extra Bass (1200x600x50 mm) | 0,7/m ² | 0,7/m ² |
| 12 | - | - |
| Δ Min. overall depth of system: 110 mm | - | - |
| δ Min. demounting depth T15: 110 mm, T24: 90 mm (tiles without Extra Bass above) | - | - |



Straight cut, panel resting on shadow-line trim.

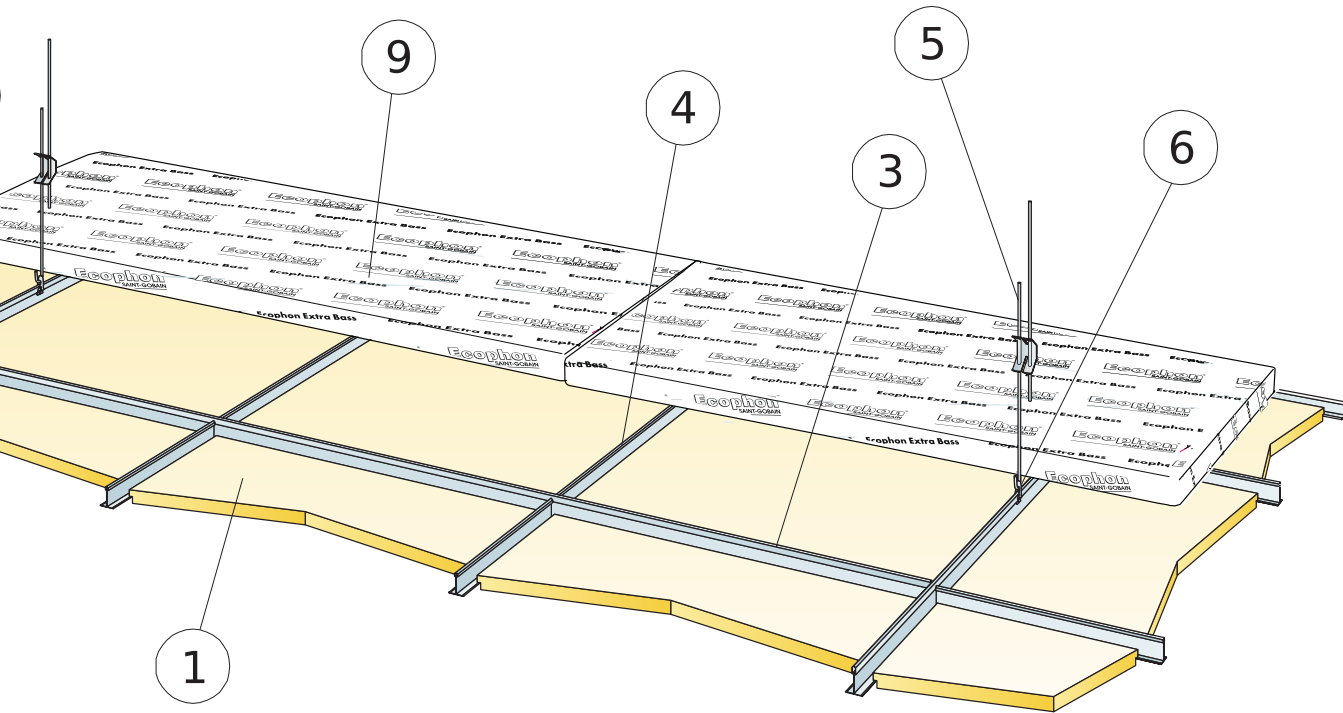


Suspension with adjustable hanger and clip

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 50 | 160 |
| 1200x600x15 | 50 | 160 |

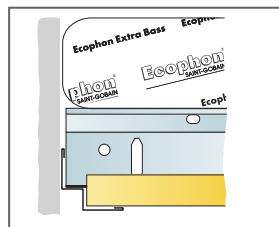
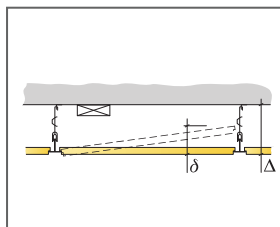
Live load/load bearing capacity

INSTALLATION DIAGRAM (M380) FOR ECOPHON GEDINA E + EXTRA BASS, CONNECT T24 MAIN RUNNER INSTALLED AT 1800 MM CENTRES

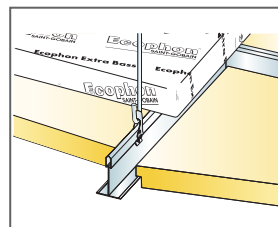


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm |
|---|---------------------|
| | 600x600 |
| 1 Gedina E | 2,8/m ² |
| 2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,56/m ² |
| 3 Connect T24 Cross tee, L=1800 mm | 1,7m/m ² |
| 4 Connect T24 Cross tee, L=600 mm | 1,1m/m ² |
| 5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,46/m ² |
| 6 Connect Hanger clip | 0,46/m ² |
| 7 Connect Angle trim, fixed at 300 mm centres | as required |
| 8 Alt. Connect Shadow-line Trim, fixed c300 | as required |
| 9 Extra Bass (1200x600x50 mm) | 0,7/m ² |
| 10 | - |
| Δ Min. overall depth of system: 110 mm | - |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - |



Straight cut, panel resting on shadow-line trim.



Suspension with adjustable hanger and clip

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|------------|-------------------|-------------------------------|
| 600x600x15 | 20 | 160 |

Live load/load bearing capacity



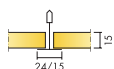
Ecophon Gedina™ A + Extra Bass

The Gedina™ A ceiling has an exposed grid with each tile easily demountable. Placed on top of the Gedina panel is the Extra Bass low frequency absorber. The suspended ceiling system is specially developed for spaces where low frequency absorption is required.

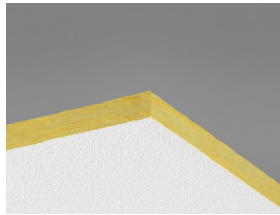


MFC Oostburg, Oostburg, Netherlands

SYSTEM RANGE



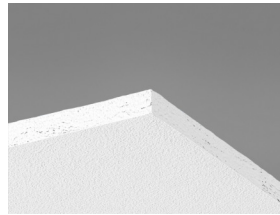
| Size, mm | 600x600 | 1200x600 |
|-----------------|---------|----------|
| Extra Bass | • | • |
| T15 | • | • |
| T24 | • | • |
| Thickness (THK) | 15 | 15 |
| Inst. Diag. | M376 | M376 |



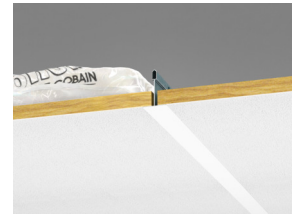
Gedina A tile



Gedina A system



Gedina A tile



Section of Gedina A + Extra Bass system

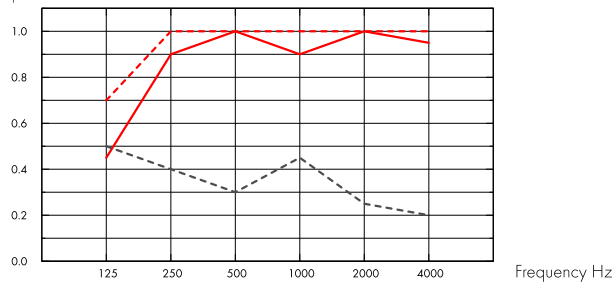
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



- Gedina A 15 mm, 200 mm o.d.s.
 - - Gedina A 15 mm + Extra Bass 50 mm, 200 mm o.d.s.
 - - - Gedina A/gamma 15 mm, 200 mm o.d.s.
- o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_{wv} | Sound absorption class |
|--------------|--------|-----------|---|--------|--------|---------|---------|---------|---------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 200 | 0.45 | 0.90 | 1.00 | 0.90 | 1.00 | 0.95 | 1.00 | A |
| + Extra Bass | 65 | 200 | 0.70 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

| | THK mm | o.d.s. mm | NRC |
|---|--------|-----------|------|
| - | 15 | 200 | 0.95 |

Indoor Air Quality



| Certificate / Label | 600x600, 1200x600 (NE) | Other formats |
|------------------------------|------------------------|---------------|
| Eurofins Indoor Air Comfort® | IAC Gold | IAC |
| French VOC | A+ | A |
| Finnish M1 | | • |



Carbon footprint



| | kg CO ₂ equiv/m ² |
|------------|--|
| Gedina A | 2,06 (Gedina family EPD in conformity with ISO 14025 / EN 15804) |
| Extra Bass | 1,62 (Extra Bass EPD in conformity with ISO 14025 / EN 15804) |

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



Circularity

| | |
|---|------------------|
| Minimum post-consumer recycled content - Gedina A | 46% |
| Minimum post-consumer recycled content - Extra Bass | 66% |
| 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 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

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



Mechanical properties

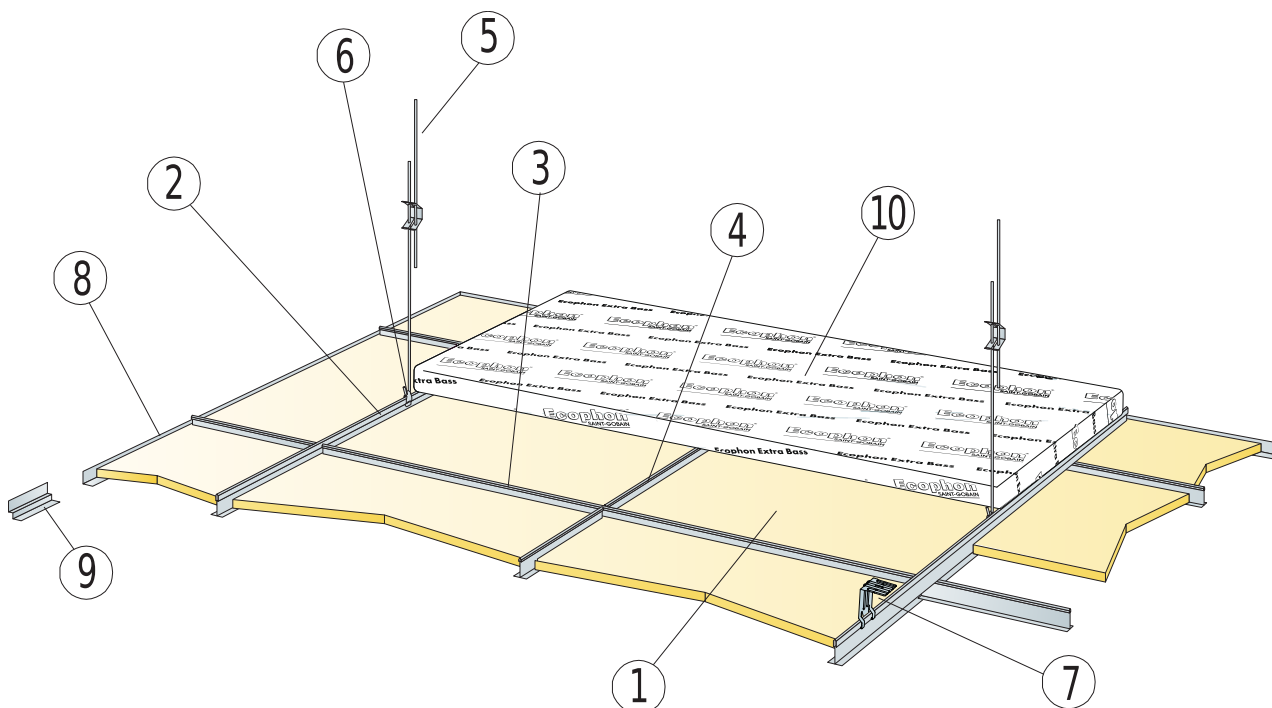
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

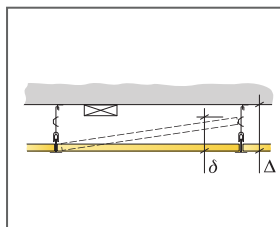
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M376) FOR ECOPHON GEDINA A + EXTRA BASS

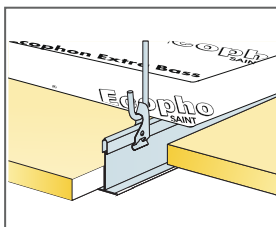


QUANTITY SPECIFICATION (EXCL. WASTAGE)

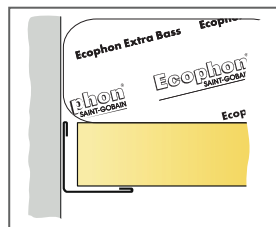
| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina A | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Extra Bass (1200x600x50 mm) | 0,7/m ² | 0,7/m ² |
| 11 | - | - |
| Δ Min. overall depth of system: 100 mm | - | - |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - | - |



See Quantity Specification



Suspension with Adjustable hanger



Panels resting on Angle trim

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 30 | 160 |
| 1200x600x15 | 30 | 160 |

Live load/load bearing capacity

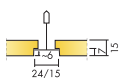


Ecophon Gedina™ E + Extra Bass

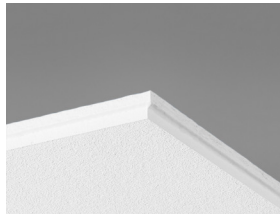
The Gedina™ E ceiling has a recessed visible grid and a tegular edge design. Placed on top of the Gedina E panel is the Extra Bass low frequency absorber. This suspended ceiling system is especially well suited for spaces where low frequency absorption is required.



SYSTEM RANGE



| | | |
|-----------------|------------|----------|
| Size, mm | 600x600 | 1200x600 |
| Extra Bass | • | • |
| T15 | • | • |
| T24 | • | • |
| Thickness (THK) | 15 | 15 |
| Inst. Diag. | M377, M380 | M377 |



Gedina E tile



Section of Gedina E + Extra Bass system



Gedina E system

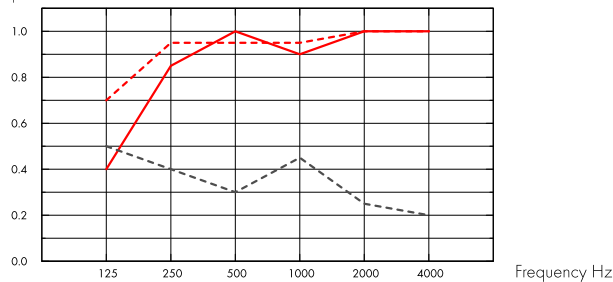
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



- Gedina E 15 mm, 200 mm o.d.s.
 - - Gedina E 15 mm + Extra Bass 50 mm, 200 mm o.d.s.
 - - - Gedina E/gamma 15 mm, 200 mm o.d.s.
- o.d.s = overall depth of system

| | THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_{wv} | Sound absorption class |
|--------------|--------|-----------|---|--------|--------|---------|---------|---------|---------------|------------------------|
| | | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| - | 15 | 200 | 0.40 | 0.85 | 1.00 | 0.90 | 1.00 | 1.00 | 1.00 | A |
| + Extra Bass | 65 | 200 | 0.70 | 0.95 | 0.95 | 0.95 | 1.00 | 1.00 | 1.00 | A |
| gamma | 15 | 200 | 0.50 | 0.40 | 0.30 | 0.45 | 0.25 | 0.20 | 0.30 | D |

Indoor Air Quality



| Certificate / Label | 600x600, 1200x600 (NE) | Other formats |
|------------------------------|------------------------|---------------|
| Eurofins Indoor Air Comfort® | IAC Gold | IAC |
| French VOC | A+ | A |
| Finnish M1 | | • |



Carbon footprint



| | kg CO ₂ equiv/m ² |
|------------|--|
| Gedina E | 2,62 (Gedina family EPD in conformity with ISO 14025 / EN 15804) |
| Extra Bass | 1,62 (Extra Bass EPD in conformity with ISO 14025 / EN 15804) |

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



Circularity

| | |
|---|------------------|
| Minimum post-consumer recycled content - Gedina A | 44% |
| Minimum post-consumer recycled content - Extra Bass | 66% |
| 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 500, nearest NCS colour sample S 0500-N, 84% light reflectance.



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

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



Mechanical properties

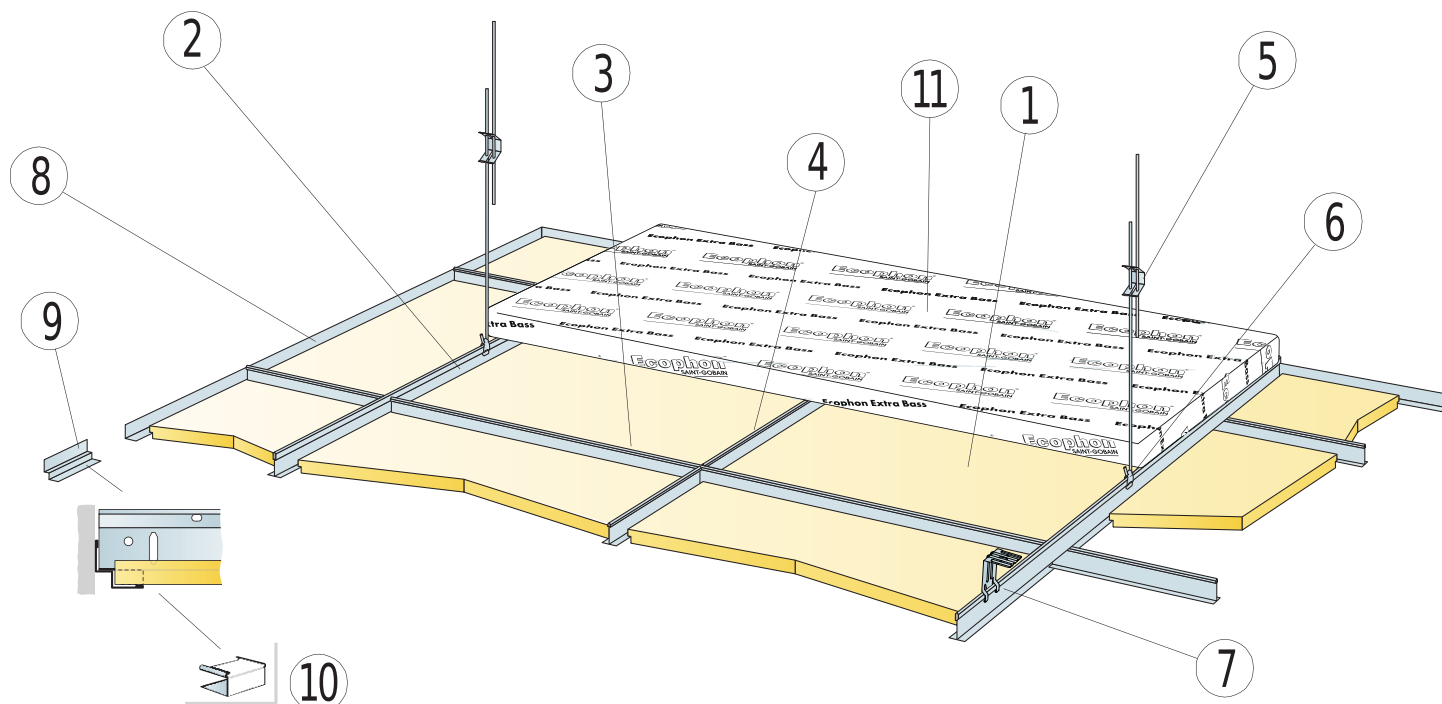
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



CE

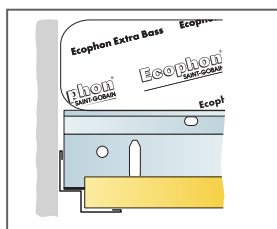
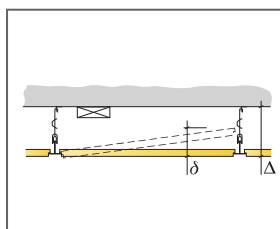
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

INSTALLATION DIAGRAM (M377) FOR ECOPHON GEDINA E + EXTRA BASS

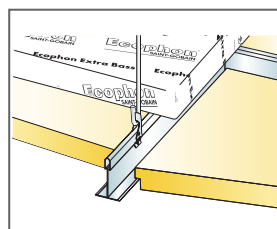


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Gedina E | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 or T15 Cross tee, L=600 mm | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hanger Clip (not to be used in swimming hall environments) | 0,7/m ² | 0,7/m ² |
| 7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres | 0,7/m ² | 0,7/m ² |
| 8 Connect Angle Trim, fixed at 300 mm centres | as required | as required |
| 9 Connect Shadow-line Trim, fixed at 300 mm centres | as required | as required |
| 10 Connect E-plug (for Connect Shadow-line Trim) | as required | as required |
| 11 Extra Bass (1200x600x50 mm) | 0,7/m ² | 0,7/m ² |
| 12 | - | - |
| Δ Min. overall depth of system: 110 mm | - | - |
| δ Min. demounting depth T15: 110 mm, T24: 90 mm (tiles without Extra Bass above) | - | - |



Straight cut, panel resting on shadow-line trim.

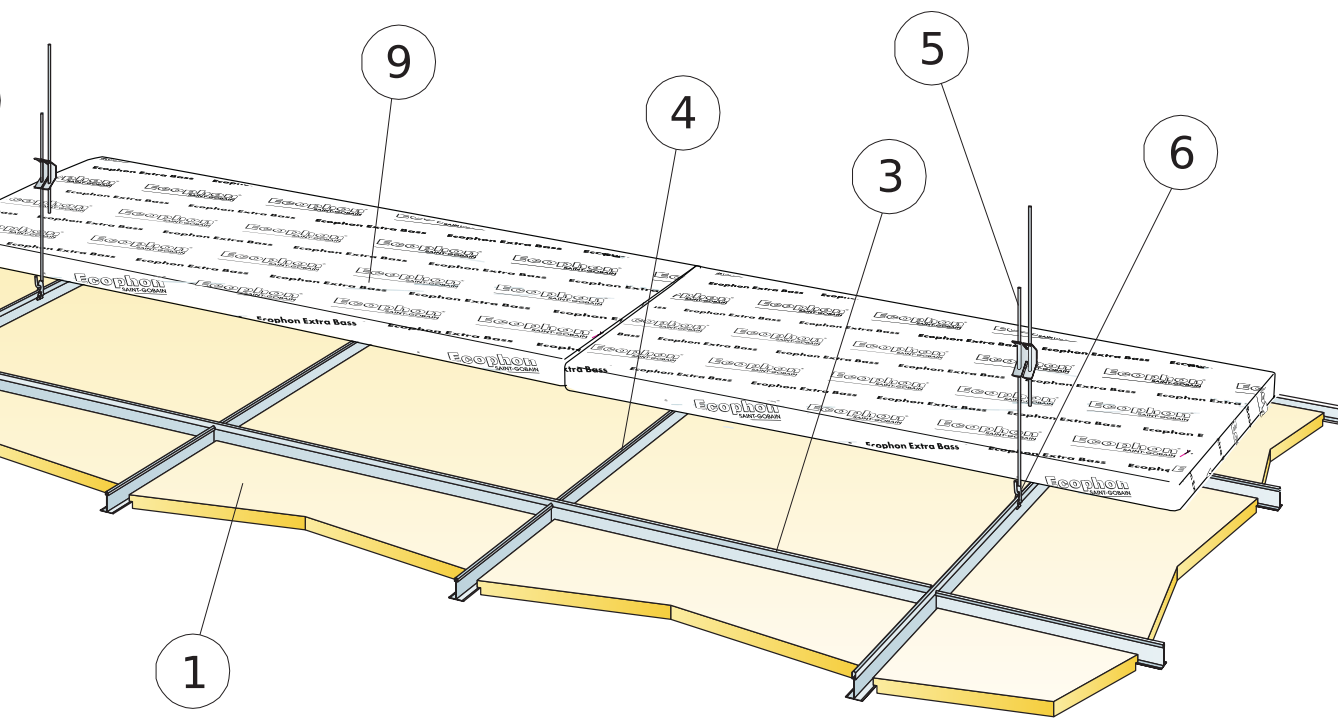


Suspension with adjustable hanger and clip

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x15 | 50 | 160 |
| 1200x600x15 | 50 | 160 |

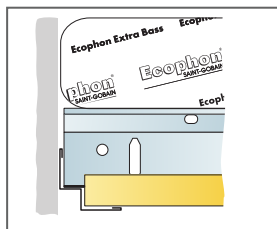
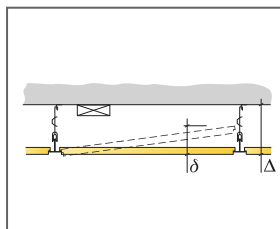
Live load/load bearing capacity

INSTALLATION DIAGRAM (M380) FOR ECOPHON GEDINA E + EXTRA BASS, CONNECT T24 MAIN RUNNER INSTALLED AT 1800 MM CENTRES

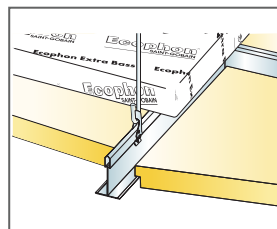


QUANTITY SPECIFICATION (EXCL. WASTAGE)

| | Size, mm |
|---|---------------------|
| | 600x600 |
| 1 Gedina E | 2,8/m ² |
| 2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall). | 0,56/m ² |
| 3 Connect T24 Cross tee, L=1800 mm | 1,7m/m ² |
| 4 Connect T24 Cross tee, L=600 mm | 1,1m/m ² |
| 5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm) | 0,46/m ² |
| 6 Connect Hanger clip | 0,46/m ² |
| 7 Connect Angle trim, fixed at 300 mm centres | as required |
| 8 Alt. Connect Shadow-line Trim, fixed c300 | as required |
| 9 Extra Bass (1200x600x50 mm) | 0,7/m ² |
| 10 | - |
| Δ Min. overall depth of system: 110 mm | - |
| δ Min. demounting depth: 120 mm (tiles without Extra Bass above) | - |



Straight cut, panel resting on shadow-line trim.



Suspension with adjustable hanger and clip

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|------------|-------------------|-------------------------------|
| 600x600x15 | 20 | 160 |

Live load/load bearing capacity