

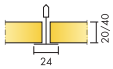


Ecophon Hygiene Performance™ A

Ecophon Hygiene Performance™ A is suitable for humid areas and withstands advanced cleaning, such as steam and high/low pressure washing on a regular basis. The surface is resistant to common detergents and disinfectants.



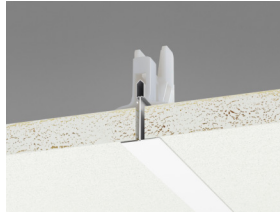
SYSTEM RANGE



| | | | | |
|-----------------|----------------|----------------|----------------|----------------|
| Size, mm | 600x600 | 600x600 | 1200x600 | 1200x600 |
| T24 | • | • | • | • |
| Thickness (THK) | 20 | 40 | 20 | 40 |
| Inst. Diag. | M395C3, M266C4 | M395C3, M266C4 | M395C3, M266C4 | M395C3, M266C4 |



Hygiene Performance A tile



Hygiene Performance A C3 section with Connect Hygiene clip 20



Hygiene Performance A system

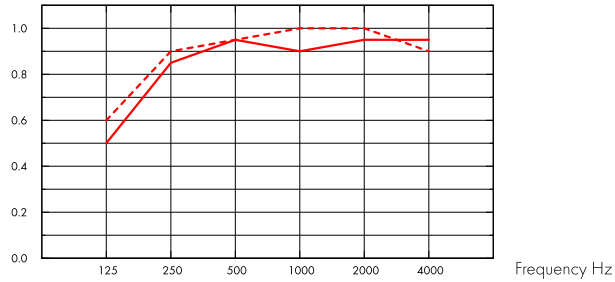
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



— Hygiene Performance A 20 mm, 200 mm o.d.s.

- - - Hygiene Performance A 40 mm, 200 mm o.d.s.

o.d.s = overall depth of system

| THK mm | o.d.s. mm | α_p , Practical sound absorption coefficient | | | | | | α_w | Sound absorption class |
|-----------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
| | | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | | |
| 20 | 200 | 0.50 | 0.85 | 0.95 | 0.90 | 0.95 | 0.95 | A | |
| 40 | 200 | 0.60 | 0.90 | 0.95 | 1.00 | 1.00 | 0.90 | A | |

| THK mm | o.d.s. mm | NRC | SAA |
|-----------|-----------|------|------|
| 20 | 200 | 0.90 | 0.92 |
| 40 | 200 | 0.95 | 0.96 |

Indoor Air Quality



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



Cradle to Cradle Certified®



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



Material Health



This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.



Carbon footprint

| | kg CO ₂ equiv/m ² |
|-----------------------------|---|
| Hygiene Performance A 20 mm | 2,56 |
| Hygiene Performance A 40 mm | 4,22 |

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



Circularity

| | |
|--|------------------|
| Minimum post-consumer recycled content | 47% |
| 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 D, relative humidity 97% and 50°C, according to EN 13964:2014



Visual appearance

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



Cleanability

| Standard/Method | Frequency |
|-------------------------|-----------|
| Dusting | Daily |
| Wet wiping | Weekly |
| Steam cleaning | 4/year |
| Low pressure cleaning | 2/year |
| High pressure cleaning | 2/year |
| Hydrogen peroxide vapor | • |



Surface Endurance

Product tested according to ISO 11998, and withstand 200 cycles.



Chemical resistance/Disinfection

| Chemical | Active Substance | Concentration |
|------------------|--|---------------|
| Actichlor plus | NaDCC (Sodium Dichloroisocyanurate) | 1% |
| LifeClean | Chlorine dioxide | Undiluted |
| Etanol | Etanol | 70% |
| Chlorine | Sodium Hypochlorite solution | 2,5% |
| Virkon S | Dipotassium peroxodisulphate; Sulphamidic acid | 1% |
| Isopropanol | Isopropyl Alcohol | 70% |
| Oxivir Excel | Hydrogen peroxide | 0,5% |
| Sumabac D10 | Quaternary ammonium compound, Sodium carbonate | 1% |
| Suredis VT1 | n-(3-aminopropyl)-n-dodecylpropan-1,3-diamin | 1% |
| Enduro Chlor VE5 | Potassium hydroxide | 1,5% |
| Acipusfoam VF59 | Nitric Acid | 5% |

Tested according to ISO 11998 and withstands the following chemicals or disinfectants.



Mould and Bacterial Resistance

| Standard/Method | Class |
|--|------------------------------------|
| ISO 846 :2019 method C (for bacterium) | 0 (No growth under the microscope) |
| ASTM D3273-16 (for fungi) | 10 (0% growth on the surface) |



Clean Room

| | Standard/Method | Class |
|-------------|-------------------------------|-----------|
| ISO 14644 | Particle cleanliness class | ISO 4 |
| NF S 90-351 | Microbiological class | M1/area 4 |
| NF S 90-351 | Particle elimination kinetics | CP{0,5} 5 |



Accessibility

The tiles are demountable. Minimum demounting depth according to installation diagram. The tiles are secured using clips to allow for effective cleaning. The clips are easily removable from above the ceiling. An easy-to-open Connect Inspection hatch is available to simplify access to the ceiling void.



Installation

Installed according to installation diagrams, installation guides and drawing aid. Cut panels must be sealed with Connect Edge sealant. Penetrations must be sealed with a suitable sealant.



System weight

| | kg/m ² |
|---|-------------------|
| Hygiene Performance A 20 mm | 1,6 |
| Hygiene Performance A 20 mm + Connect grid system | 2,6 |
| Hygiene Performance A 40 mm | 2,6 |
| Hygiene Performance A 40 mm + Connect grid system | 3,6 |

Weight information is indicative and subject to variation.



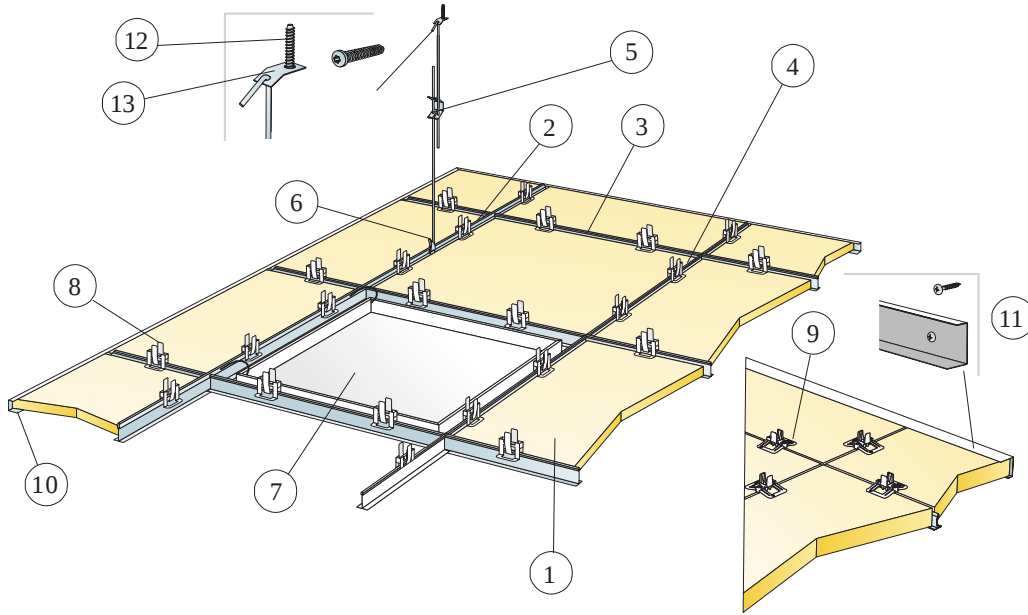
Mechanical properties

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



CE

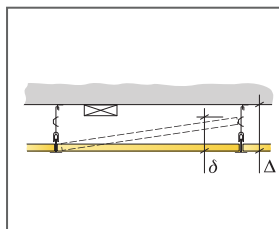
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



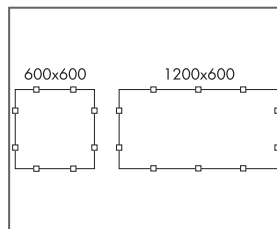
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

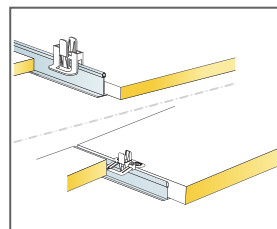
| | Size, mm | |
|--|---------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Hygiene Performance A | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 Main Runner C3, installed at 1200 mm centres | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 Cross Tee C3, L=600 mm | 0,9m/m ² | - |
| 4 Connect T24 Cross Tee C3, L=1200 mm, installed at 600 mm centres | 1,7m/m ² | 1,7m/m ² |
| 5 Connect Adjustable Hanger C3, c 1200 (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 Connect Inspection Hatch C3 | as required | as required |
| 8 Connect Hygiene Clip 20 | 11/m ² | 7/m ² |
| 9 Connect Hygiene Clip 40 | 11/m ² | 7/m ² |
| 10 Connect Channel Trim C3, fixed c300 (for 20 mm thickness) | as required | as required |
| 11 Connect Channel Trim C3, fixed c300 (for 40 mm thickness) | as required | as required |
| 12 Connect Anchor Screw C4 | 0,7/m ² | 0,7/m ² |
| 13 Connect Fixing Plate C4 | 0,7/m ² | 0,7/m ² |
| Δ Min. overall depth of system: 150 mm | - | - |
| δ Min. demounting depth 20 mm: 150 mm | - | - |
| δ Min. demounting depth 40 mm: 170 mm | - | - |



See Quantity Specification



Arrangement of clips

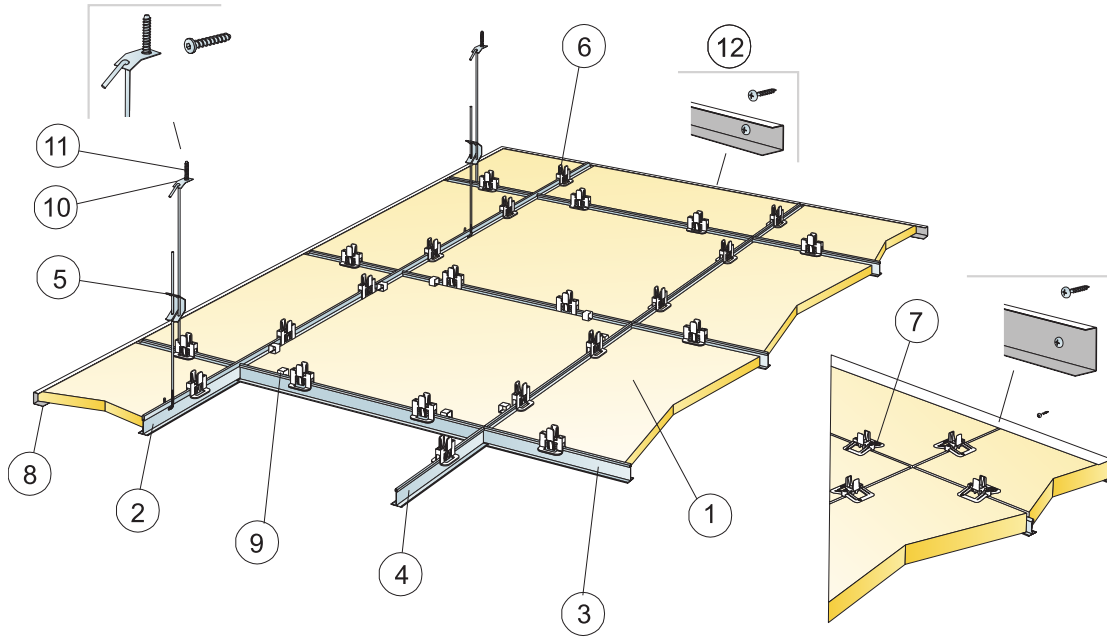


Clip for keeping tiles in place for 40 mm tiles

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x20 | 50 | 160 |
| 600x600x40 | 50 | 160 |
| 1200x600x20 | 50 | 160 |
| 1200x600x40 | 50 | 160 |

Live load/load bearing capacity

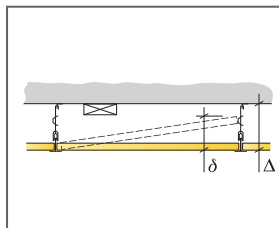
INSTALLATION DIAGRAM (M266C4) FOR ECOPHON HYGIENE PERFORMANCE™ A C4



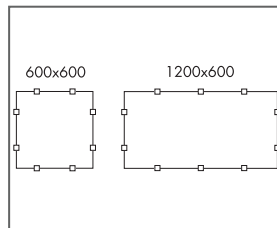
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

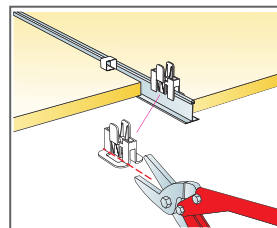
| | Size, mm | |
|--|------------------------|---------------------|
| | 600x600 | 1200x600 |
| 1 Hygiene Performance A | 2,8/m ² | 1,4/m ² |
| 2 Connect T24 Main Runner C4, c1200 | 0,9m/m ² | 0,9m/m ² |
| 3 Connect T24 Cross Tee C4, l=1200, c600 | 1,7m/m ² | 1,7m/m ² |
| 4 Connect T24 Cross Tee C4, l=600 | 0,9m/m ² | - |
| 5 Connect Adjustable Hanger C4, c1200, (max 600 mm distance from wall) | 0,7/m ² | 0,7/m ² |
| 6 Connect Hygiene Clip 20 | 11/m ² | 7/m ² |
| 7 Connect Hygiene Clip 40 C4 | 11/m ² | 7/m ² |
| 8 Connect Channel Trim C4, fixed at c300 mm | as required | as required |
| 9 Connect Demo Clip 20 C4, (where access is needed) | as required | as required |
| 10 Connect Fixing Plate C4 | 0,7/m ² | 0,7/m ² |
| 11 Connect Anchor Screw C4 | 0,7/m ² | 0,7/m ² |
| 12 Connect Installation Screw C4 | 3,4/lm Channel trim C4 | |
| Δ Min. overall depth of system: 150 mm | - | - |
| δ Min. demounting depth: 150 mm | - | - |
| δ Min. demounting depth 40 mm: 170 mm | - | - |



See Quantity Specification



Arrangement of clips



Cutting of Connect Hygiene Clip 20 at the inspection tile

| Size, mm | Max live load [N] | Min load bearing capacity [N] |
|-------------|-------------------|-------------------------------|
| 600x600x20 | 50 | 160 |
| 600x600x40 | 50 | 160 |
| 1200x600x20 | 50 | 160 |
| 1200x600x40 | 50 | 160 |

Live load/load bearing capacity