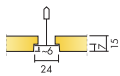


# Ecophon Hygiene Meditec™ E

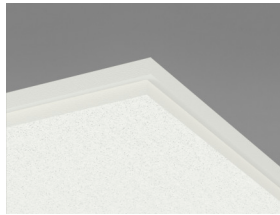
Ecophon Hygiene Meditec™ E has a recessed visible grid and a tegular edge design, suitable for dry areas where disinfection and/or cleaning is required on a regular basis. The surface is resistant to mould and bacteria growth and to common detergents and disinfectants.



## SYSTEM RANGE



|              |         |          |
|--------------|---------|----------|
| Size, mm     | 600x600 | 1200x600 |
| T24          | •       | •        |
| Thickness    | 15      | 15       |
| Inst. Diagr. | M256    | M256     |



Hygiene Meditec E tile



Hygiene Meditec E C1 section with Connect Universal clip



Hygiene Meditec E C1 system

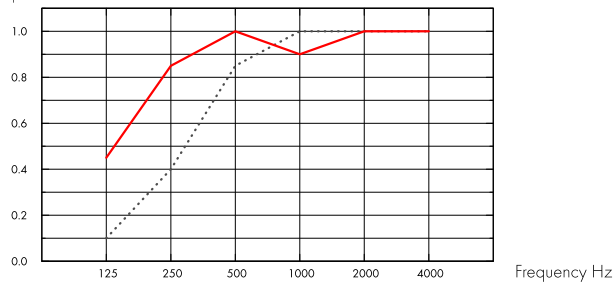
## Acoustic



### Sound Absorption:

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

$\alpha_p$ , Practical sound absorption coefficient



... Hygiene Meditec E 15 mm, 60 mm o.d.s.

— Hygiene Meditec E 15 mm, 200 mm o.d.s.

o.d.s = overall depth of system

| THK<br>mm | o.d.s. mm | $\alpha_p$ , Practical sound absorption coefficient |        |        |         |         |         | $\alpha_w$ | Sound absorption class |
|-----------|-----------|---|--------|--------|---------|---------|---------|------------|------------------------|
|           |           | 125 Hz  | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz |            |                        |
| 15        | 60        | 0.10  | 0.40   | 0.85   | 1.00    | 1.00    | 1.00    | 0.70       | C                      |
| 15        | 200       | 0.45  | 0.85   | 1.00   | 0.90    | 1.00    | 1.00    | 1.00       | A                      |

| THK<br>mm | o.d.s. mm | NRC  | SAA  |
|-----------|-----------|------|------|
| 15        | 60        | 0.90 | 0.87 |
| 15        | 400       | 0.85 | 0.89 |

## Indoor Air Quality



| Certificate / Label          |          |
|------------------------------|----------|
| 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.



### Carbon footprint

|                   | kg CO <sub>2</sub> equiv/m <sup>2</sup> | Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804 |
|-------------------|---|--|
| Hygiene Meditec E | 2,37                                    |  |



### Circularity

|  |                  |
|--|------------------|
| Minimum post-consumer recycled content | 43%              |
| 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 |  |



### 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.



### Advanced Cleanability

Can withstand use of hydrogen peroxide vapour. Occasional steam cleaning (1/year).



### Mould and Bacterial Resistance

| Standard/Method |   |
|-----------------|---|
| ISO 846 A       | 0 |
| ISO 846 C       | 0 |



### Surface Endurance

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



## Chemical resistance/Disinfection

| Chemical    | Active Substance                                  | Concentration |
|-------------|---|---------------|
| Ethanol     | Ethanol   | 70%           |
| Chlorine    | Sodium Hypochlorite solution                      | 2,5%          |
| Virkon S    | Dipotassium peroxodisulphate;<br>Sulphamidic acid | 1%            |
| Isopropanol | Isopropyl Alcohol                                 | 70%           |

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



## 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 Hygiene Clip 20 to allow for effective in-situ cleaning. The clips are easily removable from above the ceiling. A tightly sealed, easy-to-open Hygiene 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.



## System weight

|   | kg/m <sup>2</sup> |
|---|-------------------|
| Hygiene Meditec E                       | 1,4               |
| Hygiene Meditec E + Connect grid system | 2,4               |

Weight information is indicative and subject to variation.



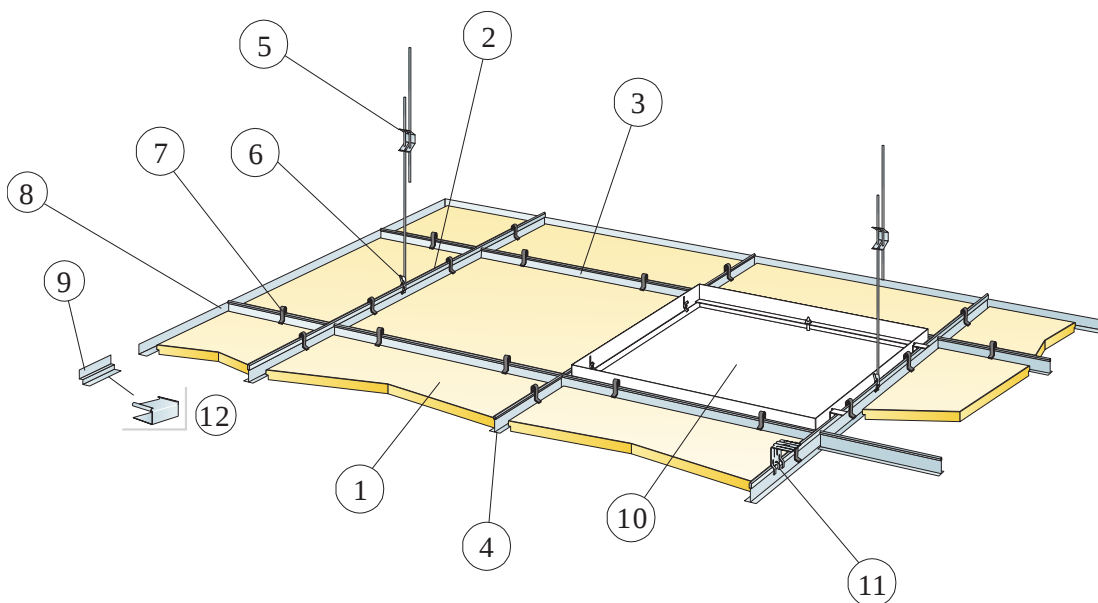
## Mechanical properties

See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).



## CE

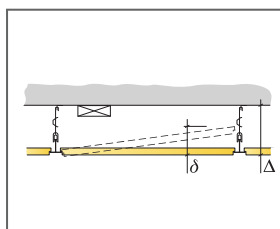
Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



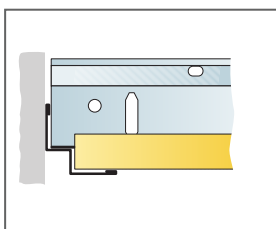
© Saint-Gobain Ecophon AB

### QUANTITY SPECIFICATION (EXCL. WASTAGE)

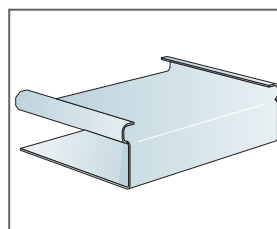
|  | Size, mm            |                     |
|--|---------------------|---------------------|
|  | 600x600             | 1200x600            |
| 1 Hygiene Meditec E  | 2,8/m <sup>2</sup>  | 1,4/m <sup>2</sup>  |
| 2 Connect T24 Main Runner, installed at 1200 mm centres (max distance from wall 300 mm)                          | 0,9m/m <sup>2</sup> | 0,9m/m <sup>2</sup> |
| 3 Connect T24 Cross Tee, L=1200 mm, installed at 600 mm centres  | 1,7m/m <sup>2</sup> | 1,7m/m <sup>2</sup> |
| 4 Connect T24 Cross Tee, L=600 mm  | 0,9m/m <sup>2</sup> | -                   |
| 5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)                       | 0,7/m <sup>2</sup>  | 0,7/m <sup>2</sup>  |
| 6 Connect Hanger Clip (not to be used in swimming hall environments)   | 0,7/m <sup>2</sup>  | 0,7/m <sup>2</sup>  |
| 7 Connect Universal Clip 0083  | 11/m <sup>2</sup>   | 7/m <sup>2</sup>    |
| 8 Alt. Connect Angle Trim, fixed c300  | as required         | as required         |
| 9 Alt. Connect Shadow-line Trim, fixed c300  | as required         | as required         |
| 10 Connect Inspection Hatch  | as required         | as required         |
| 11 For direct installation: Connect Direct Bracket, installed at 1200 mm centres                                 | 0,7/m <sup>2</sup>  | 0,7/m <sup>2</sup>  |
| 12 Connect Eplug 0158/0154 (for Connect Shadow-line Trim)  | as required         | as required         |
| Δ Min. overall depth of system, with adjustable hanger and clip: 160 mm, with direct fixing without clip: 60 mm. | -                   | -                   |
| δ Min. demounting depth: With clip: 160 mm. Without clip: 110 mm.  | -                   | -                   |



See Quantity Specification



Straight cut and T-profile on top of Connect Shadow-line Trim



Connect E-plug

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

Live load/load bearing capacity