

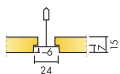
# Ecophon Hygiene Meditec™ E

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.

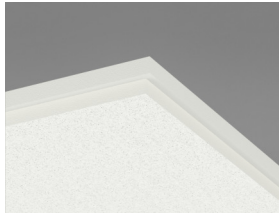


Notaufnahme UKSH, Lübeck, Germany

## SYSTEM RANGE



Size, mm	600x600	1200x600
T24	•	•
Thickness	15	15
Inst. Diag.	M256	M256



Hygiene Meditec E tile



Hygiene Meditec E C1 section with Connect Universal clip



Hygiene Meditec E C1 system

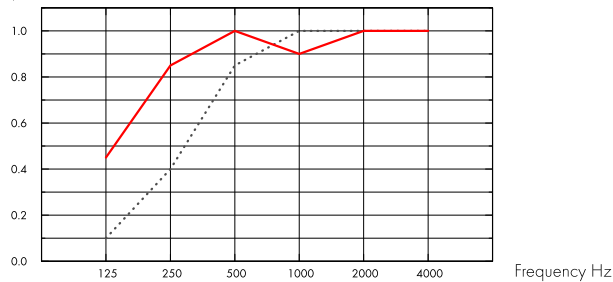
## Acoustic



### 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 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 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
French VOC	A
Finnish M1	•



## Environmental 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	2,40	

## Circularity



Minimum post-consumer recycled content	43%
Recyclability	Fully recyclable



### Fire safety

Country	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.



### Advanced Cleanability

Can withstand use of hydrogen peroxide vapour.



### 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; Sulphamidic acid	1%
Isopropanol	Isopropyl Alcohol	70%

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



### Clean Room

Standard	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

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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

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



### System weight

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The weight of the system (including suspension grid) should be approximately 2,5 kg/m<sup>2</sup>.



### Mechanical properties

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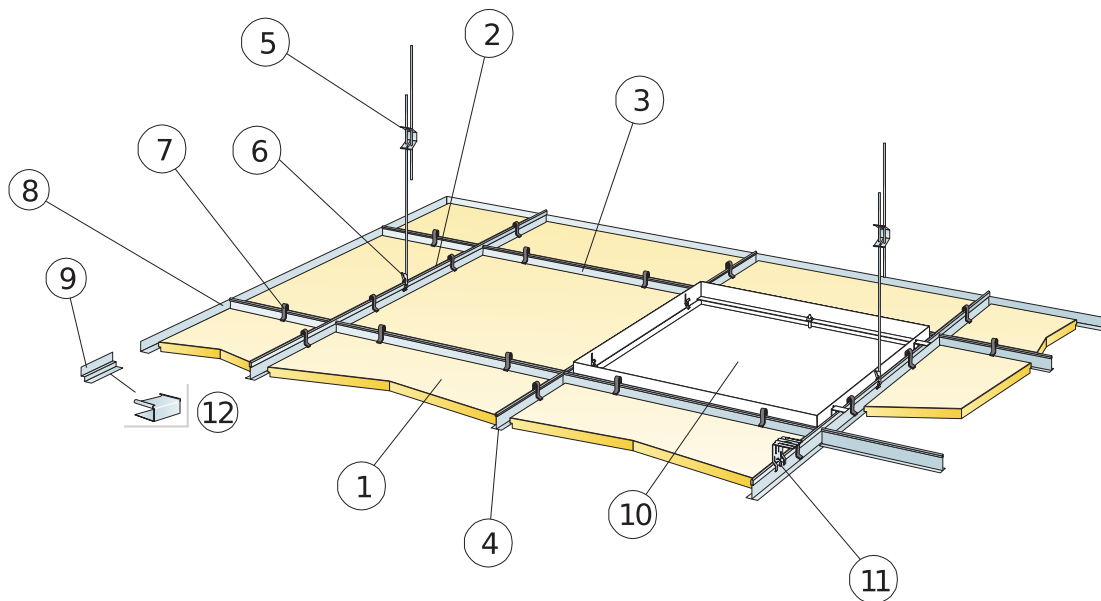
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).



### CE

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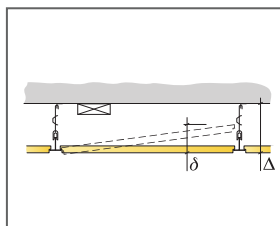
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



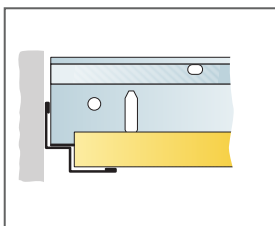
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

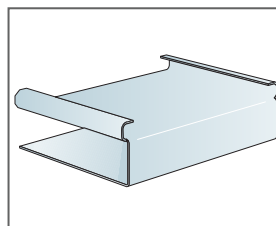
	Size, mm	
	600x600	1200x600
1 Hygiene Meditec E	2,8/m <sup>2</sup>	1,4/m <sup>2</sup>
2 Connect T24 Main Runner, installed at 1200 mm centres (max distance from wall 300 mm)	0,9m/m <sup>2</sup>	0,9m/m <sup>2</sup>
3 Connect T24 Cross Tee, L=1200 mm, installed at 600 mm centres	1,7m/m <sup>2</sup>	1,7m/m <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 E-plug 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