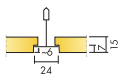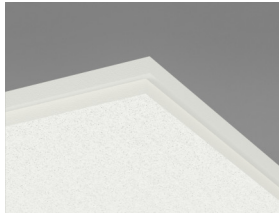# Ecophon Hygiene Meditec™ E

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.
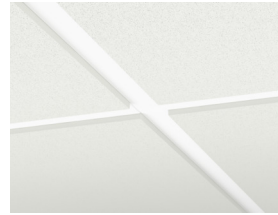

Notaufnahme UKSH, Lübeck, Germany

SYSTEM RANGE

Size, mm	600x600	1200x600
T24	•	•
Thickness (THK)	15	15
Inst. Diagr.	M256	M256

Hygiene Meditec E tile

Hygiene Meditec E C1 section with Connect Universal clip
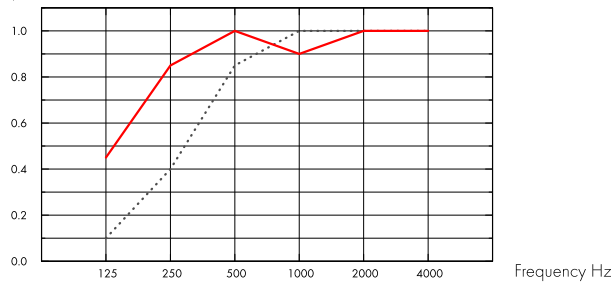
Hygiene Meditec E C1 system

Acoustic

Sound Absorption:

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

α_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	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	0.40	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_2 equiv/m²
Hygiene Meditec E	2,40

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

Circularity

Minimum post-consumer recycled content	43%
Recyclability	Fully recyclable

Fire safety

Country		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

Withstand use of hydrogen peroxide vapor.

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/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.

System weight

The weight of the system (including suspension grid) should be approximately 2,5 kg/m².

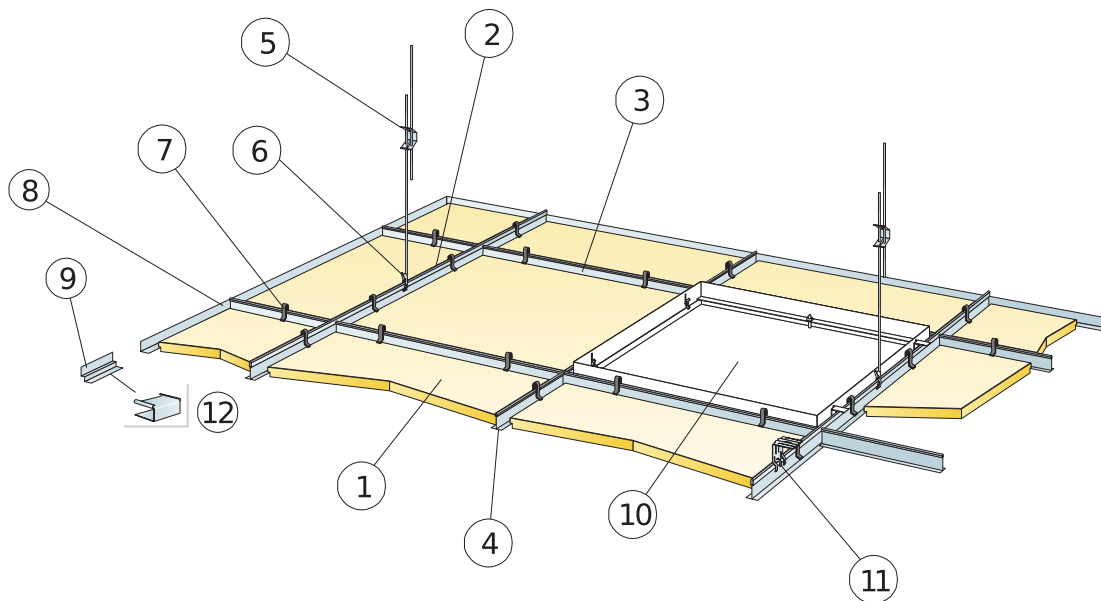### Mechanical properties

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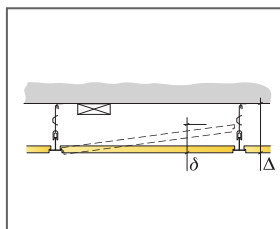
CE

Ecophon ceiling systems are CE marked according to the European harmonized standard 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.
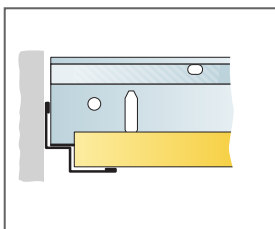
INSTALLATION DIAGRAM (M256) FOR ECOPHON HYGIENE MEDITEC™ E

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)
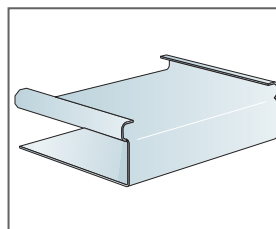
		Size, mm	
		600x600	**1200x600**
1	Hygiene Meditec E	2,8/m²	1,4/m²
2	Connect T24 Main Runner, installed at 1200 mm centres (max distance from wall 300 mm)	0,9m/m²	0,9m/m²
3	Connect T24 Cross Tee, L=1200 mm, installed at 600 mm centres	1,7m/m²	1,7m/m²
4	Connect T24 Cross Tee, L=600 mm	0,9m/m²	-
5	Connect Adjustable Hanger, installed at 1200 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 Universal Clip	11/m²	7/m²
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/m²	0,7/m²
12	Connect E-plug (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 wituout 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