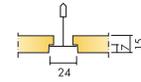


# ECOPHON HYGIENE MEDITEC™ E C3



Ecophon Hygiene Meditec E C3 is a sound absorbing ceiling system intended for environments where disinfection and/or cleaning is required on a regular basis. This system is recommended for dry environments. It 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. The visible surface of each tile is 7 mm below the grid.

Examples of applications: nursing and healthcare premises

## SYSTEM AND PRODUCT DESCRIPTION

The system consists of Ecophon Meditec E tiles, which have a core of high density glass wool and a painted cleanable Akutex TH surface. The back of the tile is covered with glass tissue. The edges are painted. The supporting structure is an exposed Connect T24 grid of galvanised steel. The weight of the system is approximately 2,5 kg/m<sup>2</sup>. The tiles should be secured to the grid with Connect Universal clips in order to withstand pressure during cleaning and to minimise dirt traps.

## SYSTEM RANGE

Size, mm	600 x 600	1200 x 600
T24	•	•
Thickness	15	15
Inst. diagr.	M256	M256

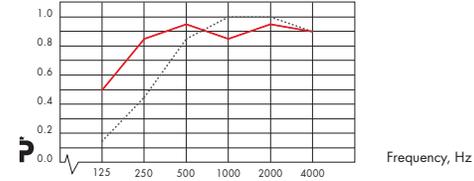


### ACOUSTICS:

SOUND ABSORPTION: Test results according to EN ISO 354.

o.d.s.= overall depth of system

$\alpha_p$  Practical sound absorption coefficient



— Ecophon Hygiene Meditec E C3, 200 mm o.d.s.

..... Ecophon Hygiene Meditec E C3, 60 mm o.d.s.

Classification according to EN ISO 11654.

Product	Hygiene Meditec E C3	
O.d.s. mm	60	200
Absorption class	C	A
$\alpha_w$	0,75	0,95

SOUND INSULATION: Not applicable.



Hygiene Meditec E tile



Hygiene Meditec E C3 section with Connect Universal clip



Hygiene Meditec E C3 system



**ACCESSIBILITY:** The tiles are demountable. Minimum demounting depth according to installation diagram. The tiles are secured using Universal clips to allow for effective cleaning. The clips are easily removable from above the ceiling. An easy-to-open Connect Inspection hatch C3 is available to simplify access to the ceiling void.



**CLEANABILITY:** The system Hygiene Meditec E C3 withstands daily dusting and vacuum cleaning. Weekly wet wiping. It withstands the use of the most common disinfecting chemicals and detergents.



**LIGHT EFFICIENCY:** Tiles: White 010, nearest NCS colour sample S 0502-Y, 84% light reflectance.



**INFLUENCE OF CLIMATE:** The system Hygiene Meditec E C3 withstands a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611). A higher temperature/moisture is permissible during cleaning as stated above. The grid and accessories meet the demands of corrosion class C3 according to EN ISO 12944-2. For microbiological resistance see Technical properties, Influence of climate.



**INDOOR CLIMATE:** Certified by the Indoor Climate Labelling, emission class M1 for building materials, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 5 according to ISO 14644-1.



**ENVIRONMENTAL INFLUENCE:** Granted the Nordic Swan Ecolabel. Fully recyclable.



**MECHANICAL PROPERTIES:** For information regarding live load and requirements for load bearing capacity, see installation diagram. Conditions: See Functional demands, Mechanical properties, [www.ecophon.co.uk](http://www.ecophon.co.uk).



**FIRE SAFETY:** Reaction-to-fire classifications.

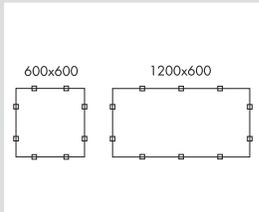
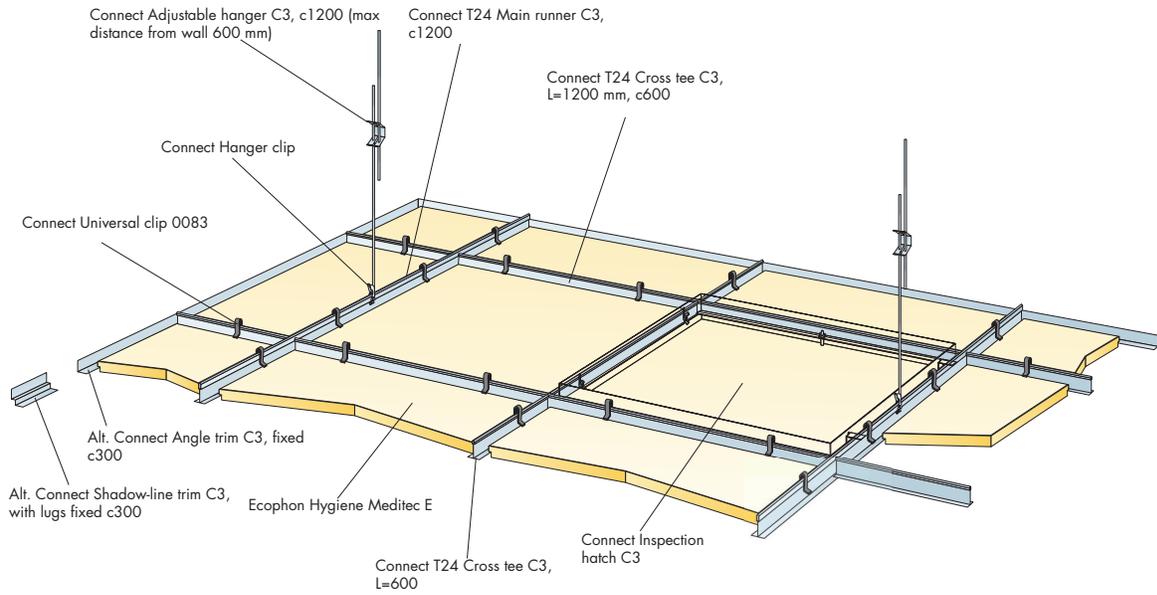
Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182. The system is classified as fire protective covering according to NT FIRE 003. See Technical properties, Fire safety.

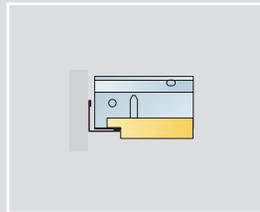


**INSTALLATION:** Installed according to installation diagram M256, which includes information regarding minimum overall depth of system. When installed according to M256 cleaning is made possible since the Connect Universal clips keep the tiles in place. Connect Inspection hatch C3 is used when access to the ceiling void is needed. Cut tiles must be sealed with Connect Edge sealant. Penetrations must be sealed with a suitable sealant.

INSTALLATION DIAGRAM (M256) FOR ECOPHON HYGIENE MEDITEC E C3



Arrangement of clips

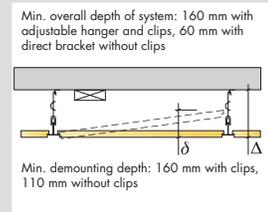


One way to integrate Hygiene Meditec E panels with wall

Max live load. Min. load bearing capacity for suspension components.

Size (mm)	Max live load (N)	Min load bearing capacity (N)
600x600	50	160
1200x600	50	160

Live load/load bearing capacity



Vertical measurements

HYGIENE

**M256** QUANTITY SPECIFICATION (EXCL. WASTAGE)

	SIZE IN MM	
	600x600	1200x600
Ecophon Hygiene Meditec E	2,8/m <sup>2</sup>	1,4/m <sup>2</sup>
Connect T24 Main runner C3, c1200	0,9 m/m <sup>2</sup>	0,9 m/m <sup>2</sup>
Connect T24 Cross tee C3, L=1200 mm, c600	1,7 m/m <sup>2</sup>	1,7 m/m <sup>2</sup>
Connect T24 Cross tee C3, L=600	0,9 m/m <sup>2</sup>	-
Connect Adjustable hanger C3, c1200 (max distance from wall 600 mm)	0,7 m/m <sup>2</sup>	0,7 m/m <sup>2</sup>
Connect Hanger clip	0,7 m/m <sup>2</sup>	0,7 m/m <sup>2</sup>
Connect Universal clip 0083	11/m <sup>2</sup>	7/m <sup>2</sup>
Alt. Connect Angle trim C3, fixed c300	as required	as required
Alt. Connect Shadow-line trim with lugs C3, fixed c300	as required	as required
Connect Inspection hatch C3	as required	as required