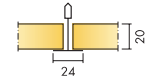


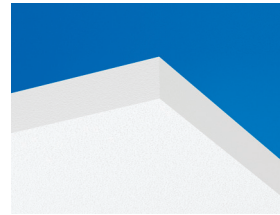


ECOPHON HYGIENE PROTEC™ A C3



Ecophon Hygiene Protec A C3 is a wall to wall, sound-absorbing ceiling system intended for environments where there are demands on low particle emission and where frequent wet cleaning and/or disinfection is required. This system is recommended where humidity levels are occasionally high. Examples of applications: the pharmaceutical and electronics industries, and in healthcare premises.

The system consists of Ecophon Hygiene Protec A tiles, which have a core of high density glass wool and a painted particle-repellent Akutex™ HP surface. The back and the edges are painted. The supporting structure is a corrosion protected exposed Connect T24 C3 grid of lacquered galvanised steel. The weight of the system is 3-4 kg/m². The tiles should be secured to the grid with Connect Hygiene clips in order to withstand pressure during cleaning and to minimise dirt traps.



Hygiene Protec A tile



Hygiene Protec A system



Hygiene Protec A C3 section with Connect Hygiene clip 20

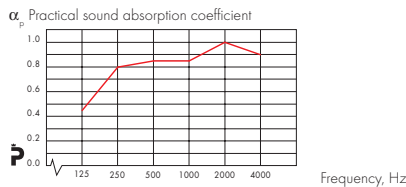


SYSTEM RANGE

Size, mm		
	600	1200
	x	x
	600	600
T24	•	•
Thickness	20	20
Inst. Diagr.	M265	M265

TECHNICAL PROPERTIES

ACOUSTIC Sound Absorption Test results according to EN ISO 354. Classification according to EN ISO 11654.



– Ecophon Hygiene Protec A C3, 200 mm o.d.s.
o.d.s.= overall depth of system

Product	Hygiene Protec A C3	
	200	400
absorption class	A	
NRC	0,90	0,85
SAA	0,89	0,84
α_w		

Sound Insulation Not applicable.

Sound Privacy Not applicable

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.

CLEANABILITY Daily dusting and vacuum cleaning. Weekly wet wiping. Steam cleaning four times/year. Can withstand the use of common disinfecting chemicals.

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

INFLUENCE OF CLIMATE The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611). A higher temperature/moisture is permissible during washing as stated above. The grid and accessories meet the demands of corrosion class C3 according to EN ISO 12944-2. For the microbiological resistance see Functional demands, 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.

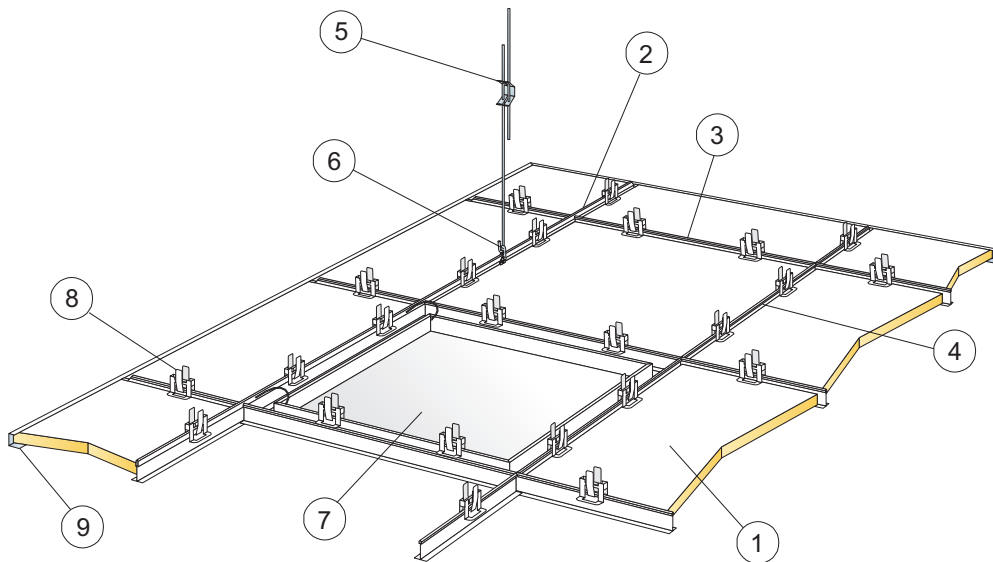
ENVIRONMENTAL INFLUENCE Granted the Nordic Swan eco-label. Fully recyclable.

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

Reaction-to-fire classification		
Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

MECHANICAL PROPERTIES For information regarding live load and requirements for load bearing capacity, see installation diagrams. Conditions: See Functional demands, Mechanical properties.

INSTALLATION Installed according to system range. Cut panels must be sealed with Connect sealing tape using the Connect Tape applicator, or Connect Edge sealant. Penetrations must be sealed with a suitable sealant.



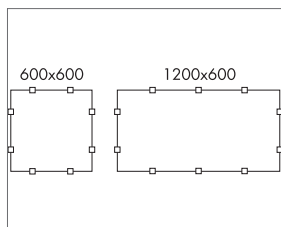
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

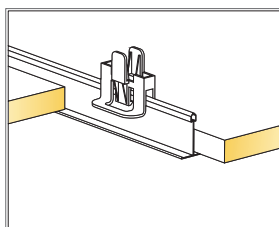
	Size, mm	
	600x600	1200x600
1 Ecophon Hygiene Protec A	2,8/m ²	1,4/m ²
2 Connect T24 Main runner C3, installed at 1200 mm centres	0,9m/m ²	0,9m/m ²
3 Connect T24 Cross tee C3, L=1200 mm, installed at 600 mm centres	1,7m/m ²	1,7m/m ²
4 Connect T24 Cross tee C3, L=600 mm	0,9m/m ²	-
5 Connect Adjustable hanger C3, c1200 (max distance from wall 600 mm)	0,7/m ²	0,7/m ²
6 Connect Hanger clip	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 Channel trim C3, fixed c300 (for 20 mm thickness)	as required	as required

Δ Min. overall depth of system: 150 mm

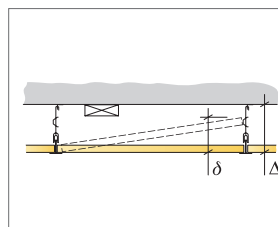
δ Min. demounting depth: 150 mm



Arrangement of clips



Clips for keeping tiles in position



See Quantity specification

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	50	160
1200x600	50	160

Live load/load bearing capacity