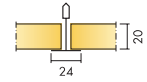




# Ecophon Hygiene Performance™ A C4

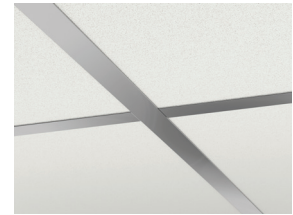


Ecophon Hygiene Performance A C4 is a unique wall to wall, sound absorbing ceiling system for use in demanding environments. All the suspension components, made of acid-proof stainless steel, are designed for areas with constantly high humidity and/or corrosive environments. Examples of applications: swimming halls, water parks and showers.

The system consists of Ecophon Hygiene Performance A tiles, which have a core of high density glass wool utilizing the 3RD Technology and a painted cleanable Akutex TH surface. The back of the tile is covered with glass tissue. The edges are primed. The supporting structure is an exposed Connect T24 C4 grid made of acid-proof high-performance austenitic stainless steel to avoid stress corrosion that can occur on ordinary stainless steel. The weight of the system is 3-4 kg/m<sup>2</sup>. The tiles should be secured to the grid with Connect Hygiene clips in order to withstand pressure during cleaning and to minimise dirt traps. For access to the plenum a special Connect Democlip is used.



Hygiene Performance A tile



Hygiene Performance A C4 system



nhys



## SYSTEM RANGE

Size, mm	600	1200
T24	x 600	x 600
Thickness	20	20
Inst. Diagr.	M266	M266

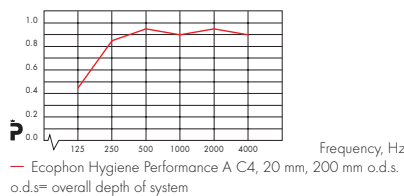
## TECHNICAL PROPERTIES

### ACOUSTIC

Sound Absorption: Test results according to EN ISO 354.

Classification according to EN ISO 11654.

$\alpha_p$  Practical sound absorption coefficient



Product	Hygiene Performance A C4	
	200	400
o.d.s mm	200	400
absorption class	A	
$\alpha_w$	0.95	
NRC	0.95	0.85
SAA	0.93	0.88

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 Connect Hygiene Clip to allow for effective cleaning. The clips are easily removable from above the ceiling. Connect Democlips 20 C4 are available to simplify access to the ceiling void.



**CLEANABILITY** Daily dusting and vacuum cleaning. Weekly wet wiping. Steam cleaning four times/year and low pressure hosing twice a year. Can withstand the use of common disinfecting chemicals.



**VISUAL APPEARANCE** White 010, nearest NCS colour sample S 0502-Y, 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. Microbiological growth class 0 according to ASTM G 21-96. The grid and accessories meet the demands of corrosion class C4 according to EN ISO 12944-2.



**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** Glass wool core utilising 3RD Technology. 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 EN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003.

Reaction-to-fire classification

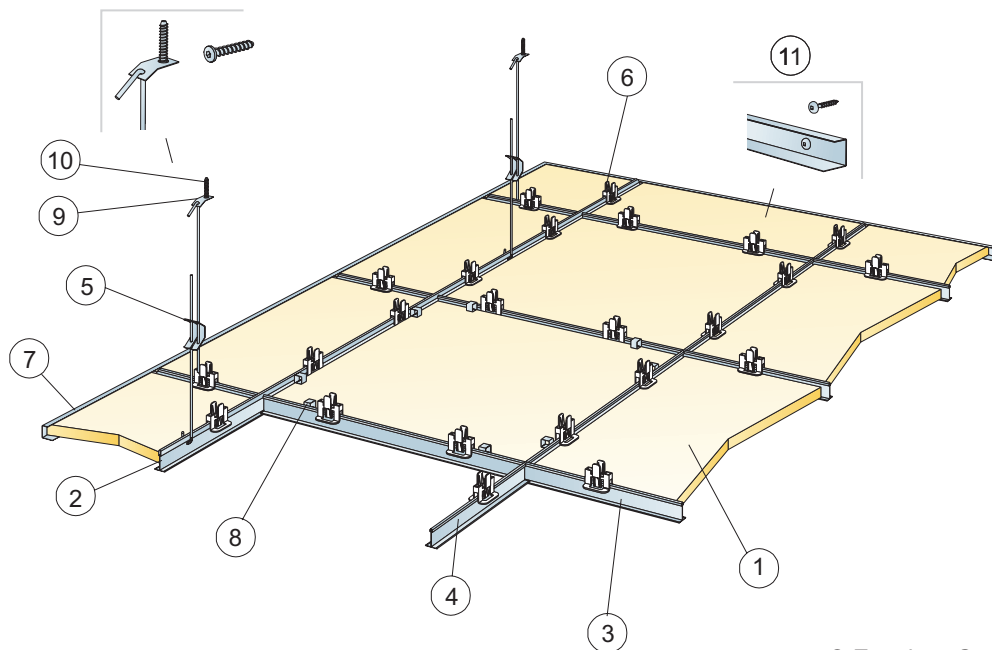
Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0



**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).



**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. 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.



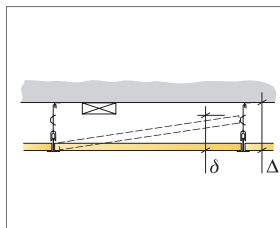
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

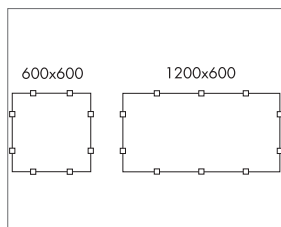
		Size, mm	
		600x600	1200x600
1	Hygiene Performance A	2,8/m <sup>2</sup>	1,4/m <sup>2</sup>
2	Connect T24 Main runner C4, c1200	0,9m/m <sup>2</sup>	0,9m/m <sup>2</sup>
3	Connect T24 Cross tee C4, L=1200, c600	1,7m/m <sup>2</sup>	1,7m/m <sup>2</sup>
4	Connect T24 Cross tee C4, L=600	0,9m/m <sup>2</sup>	-
5	Connect Adjustable hanger C4, c1200, (max 600 mm distance from wall)	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
6	Connect Hygiene clip 20	11/m <sup>2</sup>	7/m <sup>2</sup>
7	Connect Channel trim C4, fixed at c300 mm	as required	as required
8	Connect Demo clips 20 C4, (where access is needed)	as required	as required
9	Connect Fixing plate C4	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
10	Connect Anchor screw C4	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
11	Connect Installation screw C4	3,4/lm Channel trim C4	

Δ Min. overall depth of system: 150 mm

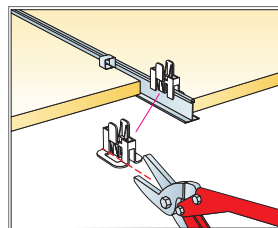
δ Min. demounting depth: 150 mm



See Quantity specification



Arrangement of clips



Cutting of Connect Hygiene clip 20 at the inspection tile

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

Live load/load bearing capacity