

Ecophon Hygiene Advance™ Protection C3

Ecophon Hygiene Advance Protection C3 is a sound-absorbing wall panel system intended for use in environment where there is a high level of contamination, and where frequent cleaning is required. It is intended for use on walls in the occupied area, where there is a risk for mechanical impact. Ecophon Hygiene Advance Protection C3 can also be installed horizontally as a ceiling system. Examples of applications: areas with high levels of airborne grease, areas exposed to splatter from meat juices, fruit juices or other liquids.

The system is classified B1 and B5 for zone 4 according to standard NF S 90-351 and clean room classified according ISO 4. The system consists of Hygiene Advance Wall panel,

which has a core of high density, 3rd generation glass wool fully encapsulated in a smooth high-performance film that is impervious to particles and water. The film is also dirt-repellent and resistant to most chemicals. The panel is protected from mechanical impact by the corrosion protected Connect Protection cage C3 of coated steel wire with square mesh. The panel is positioned with an airgap of 14 mm to the surface behind allowing for air to circulate. The weight of the system is 6 kg/pcs. The Ecophon Hygiene Advance Protection C3 is a technical system which might have aesthetic variations that will not affect the functionality of the system.



Only, Landskrona, Sweden

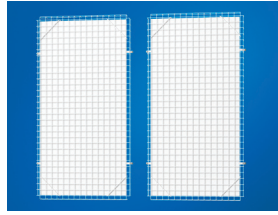
SYSTEM RANGE



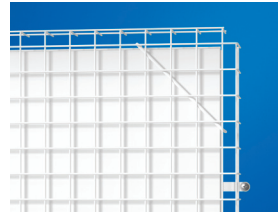
Size, mm	1200x600
Special Fixing	•
Thickness	40
Inst. Diagr.	M267



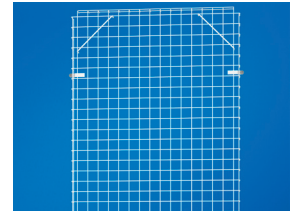
Hygiene Advance Wall



Hygiene Advance Protection C3 system



Connect Protection cage C3



Detail of Hygiene Advance Protection C3

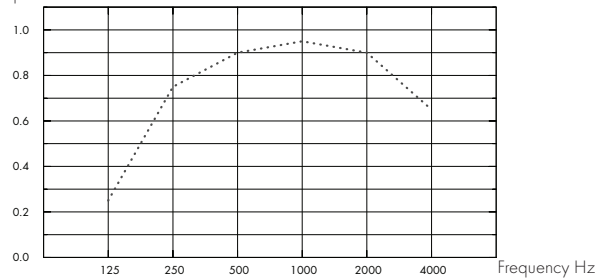


Acoustic

Sound Absorption:

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

α_p Practical sound absorption coefficient



... Hygiene Advance Protection, 54 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		
40	54	0,25	0,75	0,90	0,95	0,90	0,65	0,85	B



Accessibility

The tiles are demountable.



Cleanability

Daily dusting, vacuum cleaning, manual wet cleaning, high-pressure washing and steam cleaning. Water temperature max. 70°C. Can withstand the use of common disinfecting chemicals. Withstand the use of hydrogen peroxide vapour.



Visual appearance

White 141, nearest NCS colour sample S 1000-N, 73% 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 C3 according to EN ISO 12944-2.



Indoor Climate

Certificate / Label

Europe

EN
13501-1

Can be used in rooms classified as ISO class 4 according to ISO 14644-1.



Environmental influence

Partly recyclable.



Fire safety

Country

Europe

Standard

EN 13501-1

Class

A2-s1,d0

The glass wool core of the tiles is tested and classified as non-combustible according to EN ISO 1182.



Mechanical properties

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



Installation

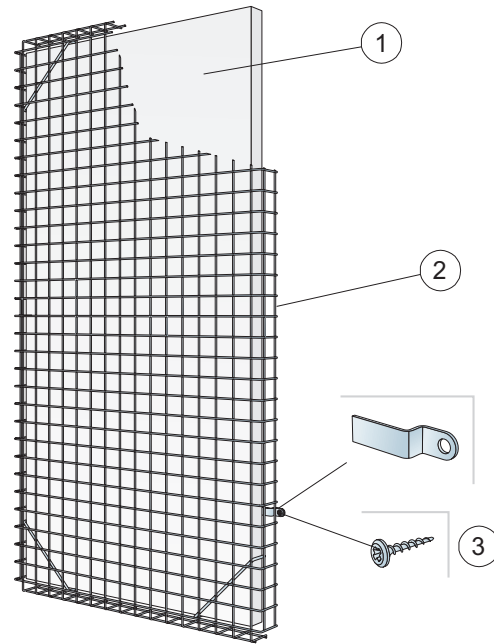
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

2,9 kg equivalent CO₂ / m² according to EPD

INSTALLATION DIAGRAM (M267) FOR ECOPHON HYGIENE ADVANCE PROTECTION C3

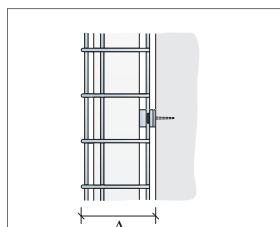


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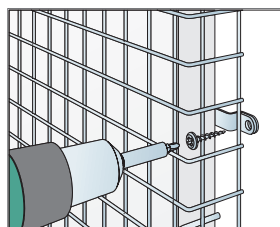
QUANTITY SPECIFICATION (EXCL. WASTAGE)

Size, mm		
1200x600		
1	Hygiene Advance Wall	1,4/m ²
2	Connect Protection cage C3, incl. fixing brackets	1/panel
3	Wall screw, C3 classed (not supplied by Ecophon)	4/cage

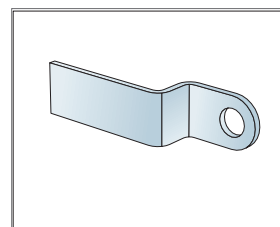
Δ Min. overall depth of system: 65 mm



See Quantity specification



Installation with C3 classed screw



Fixing bracket

Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	0	-

Live load/load bearing capacity