

# ECOPHON HYGIENE ADVANCE™ WALL

Ecophon Hygiene Advance™ Wall is a wall panel that withstands daily advanced cleaning and disinfection with strong chemicals. Suitable for the most demanding conditions, including airborne grease and dirt particles.



# Ecophon Hygiene Advance™ Wall

## SYSTEM RANGE



Size, mm	1200x600
Special Fixing	•
Thickness (THK)	40
Inst. Diagr.	M258



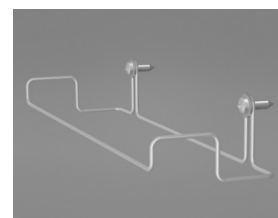
Hygiene Advance Wall



Connect Wall fixing C3



Hygiene Advance Wall C3 system



Connect Wall Fixing C3

## TYPE OF APPLICATION

- Healthcare
- Additional areas
- Clean environments

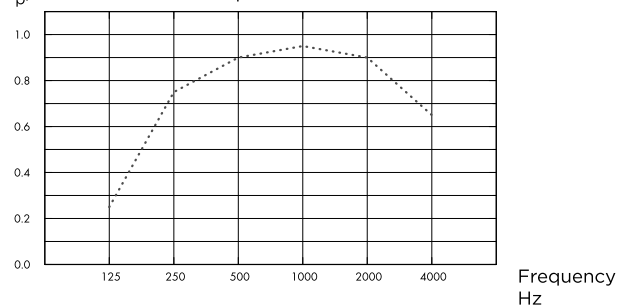


## ACOUSTIC

### Sound Absorption

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

$\alpha_p$ , Practical sound absorption coefficient



···· Hygiene Advance Wall, 80 mm o.d.s.  
o.d.s = overall depth of system

THK mm	o.d.s. mm	$\alpha_p$ , Practical sound absorption coefficient						$\alpha_w$	Sound absorption class
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz		
40	80	0.25	0.75	0.90	0.95	0.90	0.65	0.85	B

## INDOOR AIR QUALITY



Certificate / Label	
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+
Finnish M1	•





## CARBON FOOTPRINT

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

	kg CO <sub>2</sub> equiv/m <sup>2</sup>
Advance Wall	16,23



## CIRCULARITY

Minimum post-consumer recycled content	64%
Recyclability	Fully recyclable



## FIRE SAFETY

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

Country	Fire standard	Class
Europe	EN 13501-1	A2-s1,d0



## HUMIDITY RESISTANCE

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



## VISUAL APPEARANCE

White 141, nearest NCS colour sample S 1000-N, 73% light reflectance.



## CLEANABILITY

Standard/Method	Frequency
Dusting	Daily
Wet wiping	Daily
Steam cleaning	Daily
Low pressure cleaning	Daily
High pressure cleaning	Daily
Hydrogen peroxide vapor	•
UV-C, BIFMA HCF 8.1-2019	•



## CHEMICAL RESISTANCE/DISINFECTION

Tested according to ISO 2812-1 and classified according to ISO 4628-1 with excellent result for the following chemicals.

Chemical	Concentration
Formalin	37%
Ammoniac	25%
Hydrogen peroxide	30%
Sulfuric acid	5%
Phosphoric acid	30%
Peracetic acid	15%
Hydrochloric acid	5%
Isopropanol	100%
Sodium hydroxide	5%
Sodium hypochlorite	5%



## MOULD AND BACTERIAL RESISTANCE

Standard/Method	Class
ISO 846 :2019 method C (for bacterium)	0 (No growth under the microscope)
ASTM D3273-16 (for fungi)	10 (0% growth on the surface)



## CLEAN ROOM

	Standard/Method	Class
ISO 14644	Particle cleanliness class	ISO 3
NF S 90-351	Microbiological class	M1/area 4
NF S 90-351	Particle elimination kinetics	CP(0,5) 1



## ACCESSIBILITY

The tiles are demountable.



## INSTALLATION

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



## SYSTEM WEIGHT

The weight of the system (including profile system) should be approximately 3 kg/pcs.



## 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).



## 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.

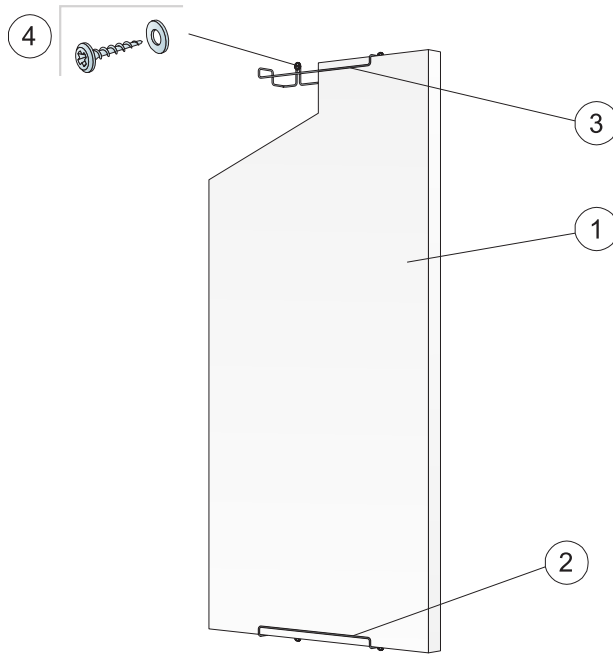
## COLOURS AND DESIGN

### Advance



White 141

Wall installation

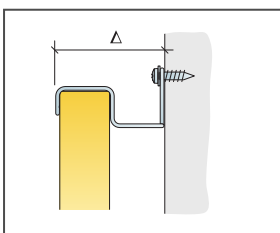


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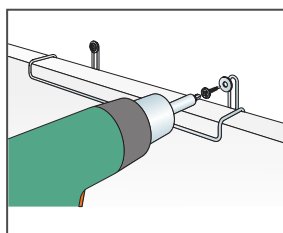
Installation diagram (M258) for Ecophon Hygiene Advance™ Wall C3

Quantity specification (excl. wastage)

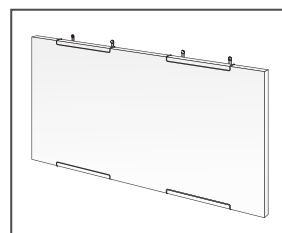
		Size, mm
		<b>1200x600</b>
1	Hygiene Advance Wall	1,4/m <sup>2</sup>
2	Connect Wall Fixing C3, vertical installation	2/panel
3	Connect Wall Fixing C3, horizontal installation	4/panel
4	Wall screw, A2 material (not supplied by Ecophon)	2/wall fixing
Δ Min. overall depth of system: 90 mm		



See Quantity Specification



Installation with wall screw in stainless steel (A2) material



Horizontal installation of Advance Wall C3

Size, mm	Max live load (N)	Min load bearing capacity (N)
1200x600x40	0	-

Live load/load bearing capacity