

# Wall absorbers for healthcare increase wellbeing and performance

## Ecophon Hygiene Performance™ Care Wall

- Sound absorption class A
- Disinfectable surface
- Mould and bacteria resistant



**Ecophon**<sup>®</sup>  
SAINT-GOBAIN

A SOUND EFFECT ON PEOPLE



# Wall absorbers that meet hygiene demands in healthcare

*Over hundreds of thousands of years, our ears have evolved to provide perfect hearing outdoors in nature. But today most of us spend up to 90% of our time indoors, in environments not suitable for the human ear. It is known that high sound levels in hospitals and healthcare facilities impair sleep, increase stress and raise heart rates<sup>1</sup>. In other words, noise is a serious health issue.*

It doesn't have to be this way. There are acoustic solutions that comply with the hygiene demands in healthcare. An acoustic ceiling is always the place to start, since it reduces noise levels and reverberation time. The next step is adding wall absorbers that prevent unwanted sound reflections and increase speech clarity. This enhanced sound environment will improve patients' recovery and ability to sleep soundly, while allowing doctors and nurses to communicate clearly.

Ecophon Hygiene Performance™ Care Wall is a wall absorber specifically designed for healthcare facilities. It has the highest sound absorption classification, an easily disinfected surface and total resistance to mould and bacteria.

This means patients and staff no longer need to cope with poor sound environments. Instead, we can safely bring the outdoor sound environment indoors to increase wellbeing, performance, rest and recovery.

<sup>1</sup> Weise, "Investigation of patient perception of hospital noise and sound level measurements: before, during and after renovations of a hospital wing", Architectural engineering - Dissertations and Student Research, 2010, Paper 4, p7

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## Ecophon Hygiene Performance™ Care Wall

The system consists of one Ecophon Hygiene Performance™ Care Wall panel and Connect Thinline profile, with an approximate system weight of 5 kg/m<sup>2</sup>.

The size of the system is 2700x1200x40 mm.











### Installation and cleaning films

To watch live action installation and cleaning films, please visit the product page at [ecophon.com](http://ecophon.com).

### Secure and stylish framing

Connect Thinline Profile is an elegant solution made of aluminium. It is available in three colours:

- Connect white 02 textured (nearest NCS colour sample: S 0500-N)
- Connect grey 03 textured (nearest NCS colour sample: S 1500-N)
- Connect grey 04 textured (nearest NCS colour sample: S 4500-N)

 Visual appearance	 Surface: Akutex™ HS	White 500, nearest NCS colour sample S 0500-N, light reflectance: 84%							
 Fire safety	Classification (EN 13501-1)	Class: A2-s1,d0							
 Cleanability	Dusting & vacuum cleaning	Daily							
	Wet wiping	Weekly							
 Advanced cleanability	Steam cleaning	4/year							
	Hydrogen peroxide vapour	●							
 Surface endurance	Withstand 200 cycles (ISO 11998)	●							
 Chemical resistance	Resistant to disinfection chemicals (ISO 11998)	2/year							
 Clean room	Clean room classification ISO 4 (ISO 14644-1) and Zone 4 (NFS 90-351)								
	Bacteriological class M1 (NFS 90-351)								
	Kinetic class for particle elimination CP <sub>(0,5)</sub> 5 (NFS 90-351)								
 Mould and bacteria resistance	No mould & bacteria growth. Class 0, method A/C (ISO 846)								
 Acoustics									
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	50	0.20	0.75	1.00	1.00	1.00	1.00	1.00	A



Ecophon Hygiene Performance™ Care Wall with Connect Thinline Profile



Exploded view of Connect Thinline Profile and Corner



Injection-moulded structure lacquered zinc corner



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# Ecophon®

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Ecophon is the leading supplier of acoustic solutions. We contribute to healthier indoor environments, improving quality of life, wellbeing and working performance. As evolution has adapted the human senses to a life outdoors, our focus is to bring the ideal acoustic environments of nature into our modern indoor spaces. We know they will have a sound effect on people.



The principles guiding our work are grounded in our Swedish heritage, where a human approach and a common responsibility for people's lives and future challenges come naturally.

Ecophon is part of the Saint-Gobain Group, a world leader in sustainable habitat solutions. This is also one of the top 100 industrial groups in the world, constantly innovating to make living spaces more comfortable and cost-efficient. Saint-Gobain offer solutions to the major challenges of energy efficiency and environmental protection. No matter what new needs emerge in the habitat and construction markets, the future is made of Saint-Gobain.



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