



Ecophon Hygiene Performance™ B

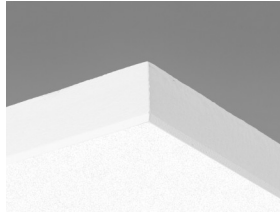
Ecophon Hygiene Performance™ B is bonded edge-to-edge to the soffit surface, creating a ceiling with a smooth appearance. The bevelled edge creates a narrow groove between each tile. For applications where the minimum possible overall depth of system is required. Product endure abrasive wet wiping and advanced cleaning such as steam cleaning on a regular basis.



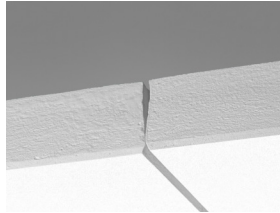
SYSTEM RANGE



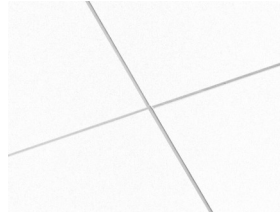
Size, mm	600x600	1200x600
Direct	•	•
Thickness (THK)	40	40
Inst. Diagr.	M638	M638



Hygiene Performance B tile



Section of Hygiene Performance B system



Hygiene Performance B system

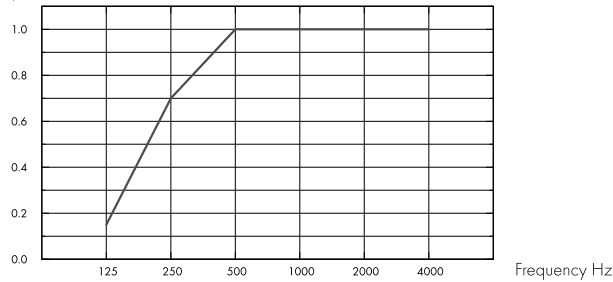
Acoustic



Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

α_p , Practical sound absorption coefficient



– Performance B, 43mm 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	43	0.15	0.70	1.00	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
40	43	0.95	0.95

Indoor Air Quality



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



Circularity



Minimum post-consumer recycled content	57%
Recyclability	Fully recyclable

Fire safety



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

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



Humidity Resistance

Classification

Class C, RH 95% and 30°C



Visual appearance

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



Cleanability

Standard/Method	Frequency
Dusting	Daily
Wet wiping	Weekly
Steam cleaning	4/year
Hydrogen peroxide vapor	•



Surface Endurance

Product tested according to ISO 11998, and withstand 200 cycles.



Chemical resistance/Disinfection

Chemical	Active Substance	Concentration
Actichlor plus	NaDCC (Sodium Dichloroisocyanurate)	1%
LifeClean	Chlorine dioxide	Undiluted
Etanol	Etanol	70%
Chlorine	Sodium Hypochlorite solution	2,5%
Virkon S	Dipotassium peroxodisulphate; Sulphamidic acid	1%
Isopropanol	Isopropyl Alcohol	70%
Oxivir Excel	Hydrogen peroxide	0,5%
Sumabac D10	Quaternary ammonium compound, Sodium carbonate	1%
Suredis VT1	n-(3-aminopropyl)-n-dodecylpropan-1,3-diamin	1%
Enduro Chlor VE5	Potassium hydroxide	1,5%
Acipusfoam VF59	Nitric Acid	5%

Tested according to ISO 11998 and withstands the following chemicals or disinfectants.



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 4
NF S 90-351	Microbiological class M1/area 4
NF S 90-351	Particle elimination kinetics CP(0,5) 5



Accessibility

The tiles are not demountable.



Installation

Installed according to installation diagrams, installation guides and drawing aid. Cut panels must be sealed with Connect Edge sealant. Penetrations must be sealed with a suitable sealant.



System weight

	kg/m ²	Weight information is indicative and subject to variation.
Hygiene Performance B	3,7	



Mechanical properties

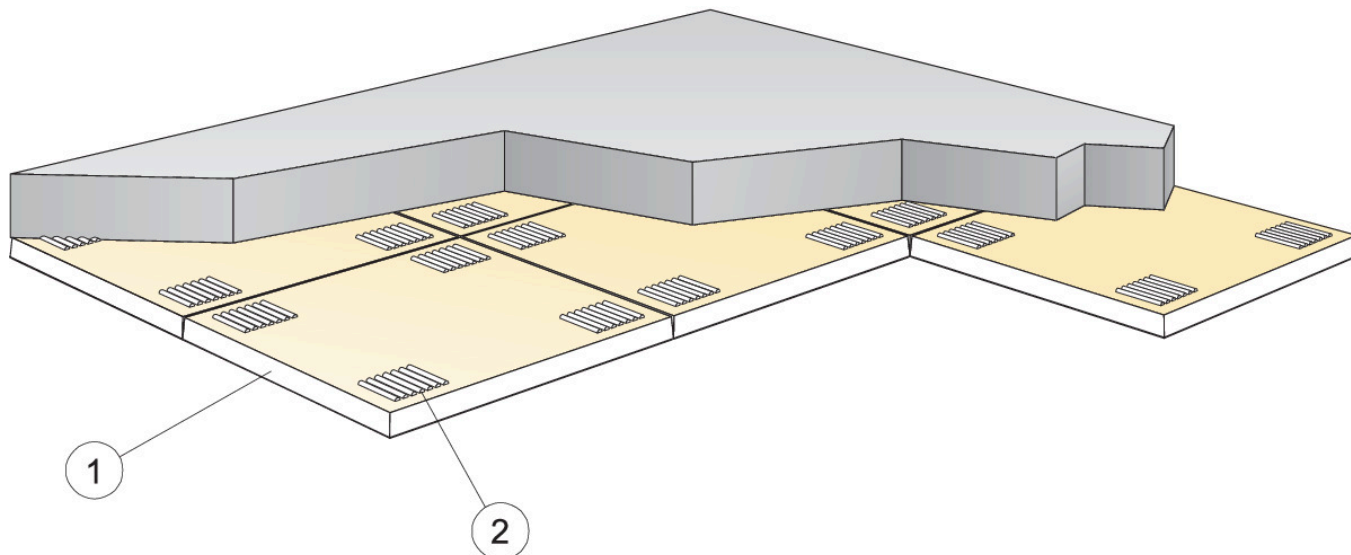
Additional live load has to be fixed to the soffit.



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.

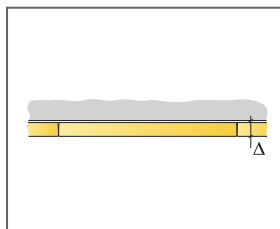
INSTALLATION DIAGRAM (M638) FOR ECOPHON HYGIENE PERFORMANCE B, WITH GLUE



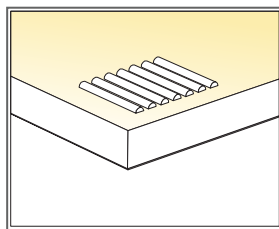
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm	
	600x600	1200x600
1 Hygiene Performance™ B	2,8/m ²	1,4/m ²
2 Connect Absorber glue (0,25 l/m ² - 0,4 l/m ² depending on installation conditions)	as required	as required
Use Connect Notched spatula to apply the glue.	-	-
Δ Min. overall depth of system: 43 mm	-	-
δ Min. demounting depth: The system is not demountable	-	-
Visible edges should be painted	-	-



See Quantity specification



Application of glue

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600x40	-	-
1200x600x40	-	-

Live load/load bearing capacity