

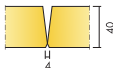


Ecophon Hygiene Performance™ B

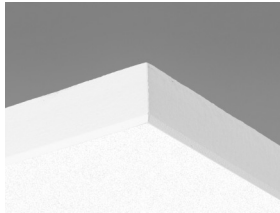
Ecophon Performance™ B is bonded edge-to-edge to the soffit surface, creating a ceiling with a smooth appearance. The bevelled edge creates a narrow groove between each tile. For applications where the minimum possible overall depth of system is required. Product endure abrasive wet wiping and advanced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



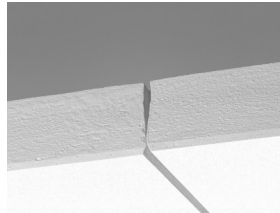
SYSTEM RANGE



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



Hygiene Performance B tile



Section of Hygiene Performance B system



Hygiene Performance B system

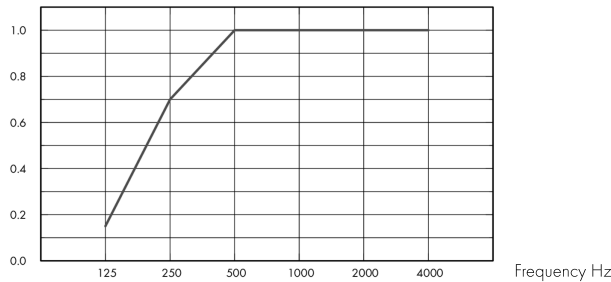
Acoustic



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_n , 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	All Products
Eurofins Indoor Air Comfort®	IAC Gold
French VOC	A+
Finnish M1	•



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



Class C, RH 95% and 30°C



Visual appearance

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



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Advanced Cleanability

Steam cleaning. Can withstand use of hydrogen peroxide vapour.



Surface Endurance

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



Chemical resistance/Disinfection

Chemical	Active Substance	Concentration
Ethanol	Ethanol	70%
Chlorine	Sodium Hypochlorite solution	2,5%
Virkon S	Dipotassium peroxodisulphate; Sulphamic acid	1%
Isopropanol	Isopropyl Alcohol	70%

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



Mould and Bacterial Resistance

Standard/Method	
ISO 846 A	0
ISO 846 C	0



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 non-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

The weight of the system should be approximately 5 kg/m².



Mechanical properties

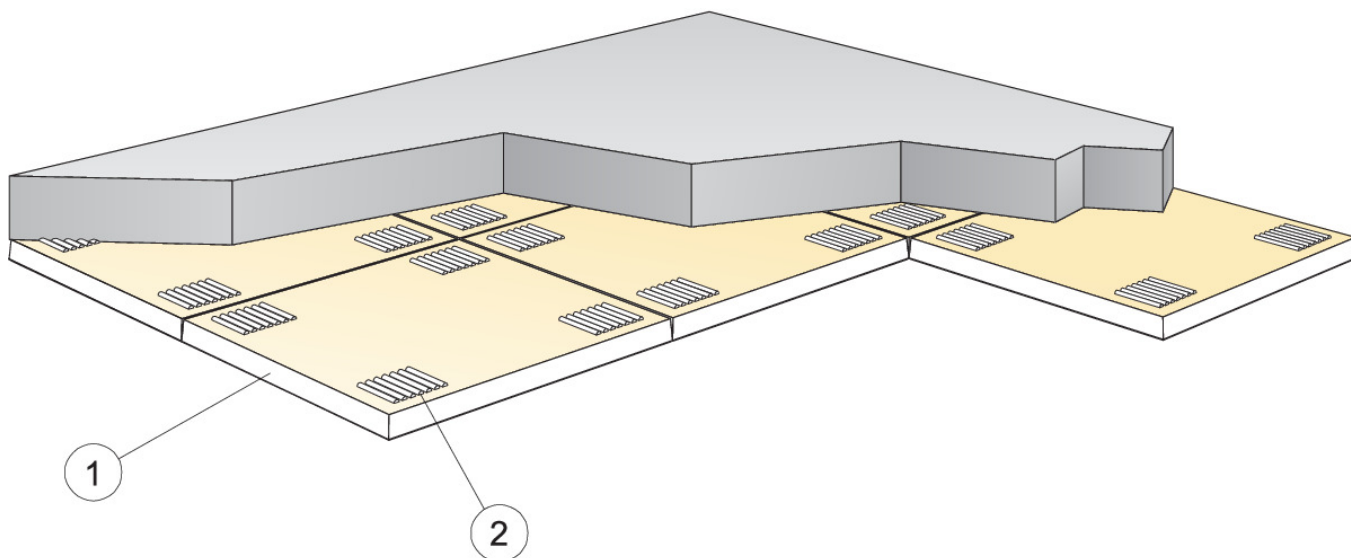
Additional live load has to be fixed to the soffit.



CE

Ecophon ceiling systems are CE marked according to the European harmonized standard EN 13964:2014. 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.

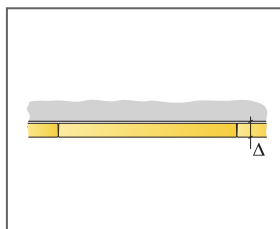
INSTALLATION DIAGRAM (M638) FOR ECOPHON HYGIENE PERFORMANCE B, WITH GLUE



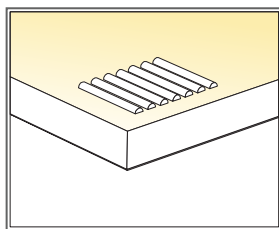
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

	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] (10 litres)	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 non-demountable	-	-
Cut 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