

ECOPHON MASTER™ B

Ecophon Master™ B tiles are bonded edge-to-edge directly 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.

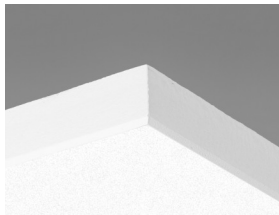


Ecophon Master™ B

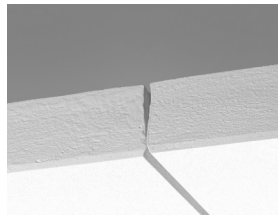
SYSTEM RANGE



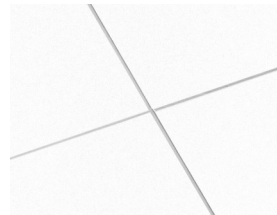
Size, mm	600x600	1200x600
Direct	•	•
Thickness	40	40
Inst. Diagr.	M113	M113



Master B tile



Section of Master B system



Master B system

TYPE OF APPLICATION

- Healthcare
- Education
- Office

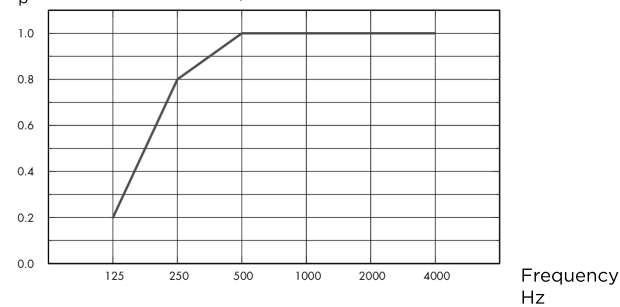


ACOUSTIC

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



— Master B 40 mm, 43 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	43	0.20	0.80	1.00	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
40	43	0.95	1.00



INDOOR AIR QUALITY

Certificate / Label	Akutex FT White Frost	
Eurofins Indoor Air Comfort®	IAC Gold	IAC
French VOC	A+	A+





MATERIAL HEALTH

This product has received a C2C Certified Material Health Certificate™ at the Silver level (standard version 4.0). The C2C Certified Material Health Certificate™ is a verification of the health and safety of a product's composition using the Material Health requirements of the Cradle-to-Cradle Certified Product Standard.



CRADLE TO CRADLE CERTIFIED®

This product is Cradle to Cradle Certified® at Bronze level (version 4.0).



CARBON FOOTPRINT

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

	kg CO ₂ equiv/m ²
Master B	6,50
Master B, CarbonLow (EN 15804+A2)	3,91



CIRCULARITY

Minimum post-consumer recycled content	62%
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 Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



CLEANABILITY

Daily dusting and vacuum cleaning. Weekly wet wiping.



ACCESSIBILITY

The tiles are non-demountable.



INSTALLATION

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. Rendered surfaces must have sufficient strength to be able to carry the load imposed by the tiles. If doubts, test gluing should be carried out. The surface should always be dry and clean. For best result the surface should be even.



PACKAGING INFORMATION

Information is indicative and subject to change.

	Edge	Panels / crt	m ² / crt
600x600x40	B	10	3.60
1200x600x40	B	6	4.32



SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m ²
Master B	3,6



MECHANICAL PROPERTIES

Additional live load has to be fixed to the soffit.

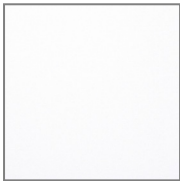


CE

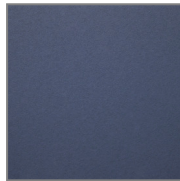
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.

COLOURS AND DESIGN

Akutex™ FT



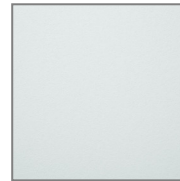
White Frost



Deep Sea



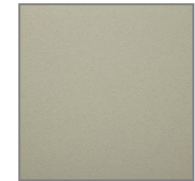
Sage Mist



Morning Rain



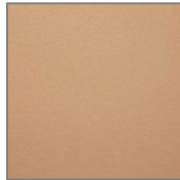
Scallop Shells



Spring Leaf



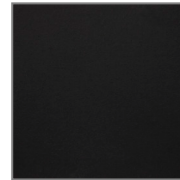
Pine Green



Wet Sand



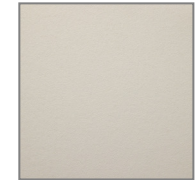
Silent Steam



Dark Diamond



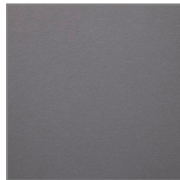
Cloudy Day



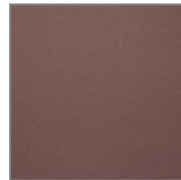
Volcanic Ash



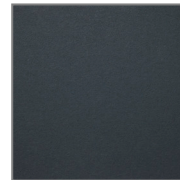
Silver Stone



Silk Slate

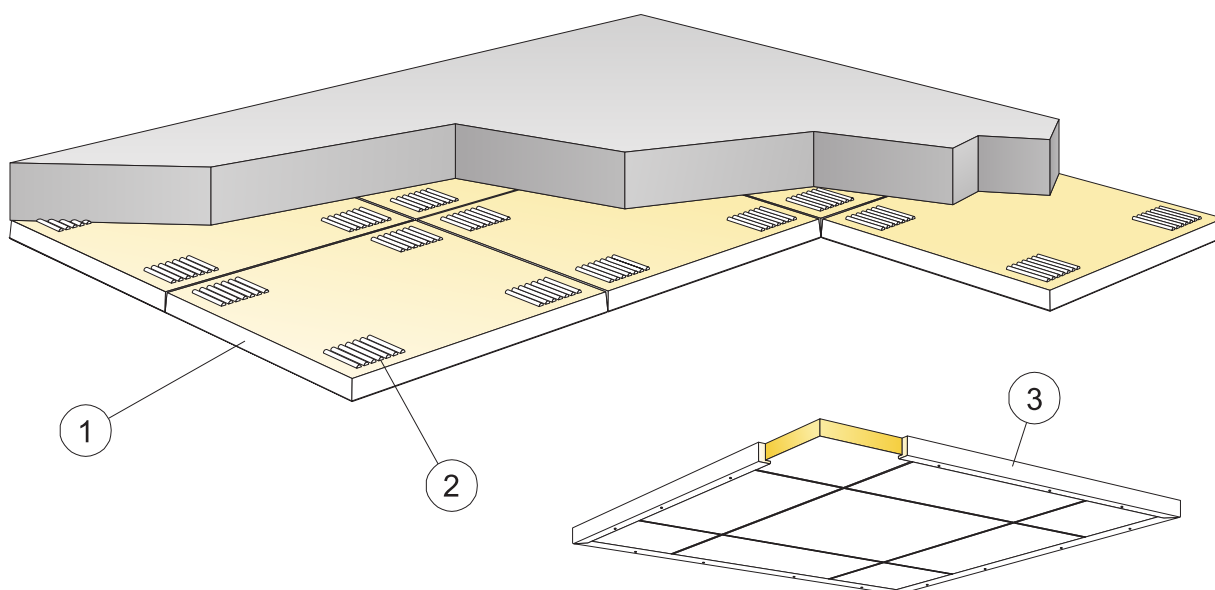


Dark Chestnut



Basalt Rock

Glued installation

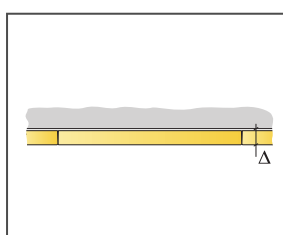


Installation diagram (M113) for Ecophon Master B, using Connect Absorber glue

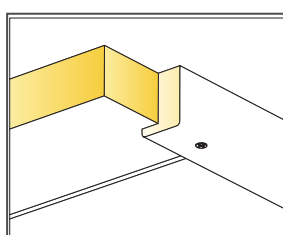
© Ecophon Group

Quantity specification (excl. wastage)

	Size, mm	
	600x600	1200x600
1 Master 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) Use Connect Notched spatula to apply the glue.	as required	as required
3 For use when installing in islands: Connect Wood trim 2571, L=3000, fixed at 500 mm centres	as required	as required
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



Wood trim for floating installation

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x40	-	-
1200x600x40	-	-

Live load/load bearing capacity