

Ecophon Master™ B TECH

For applications where the minimum possible overall depth of system is required and where strict demands are made on good acoustics and speech intelligibility. The tiles are bonded edge-to-edge directly to the soffit surface, creating a ceiling with a smooth appearance. The bevelled edges create a narrow groove between each tile. The tiles are not demountable.

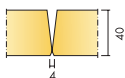
The tiles are manufactured from high density glass wool. The visible surface has an Akutex™ FT coating and the back of the tile is covered with glass tissue. The edges are painted. The weight is approximately 5 kg/m².

Ecophon recommend Connect™ Absorber Glue for a quick and easy installation.



Navigator, Malmö, Sweden

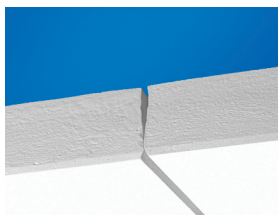
SYSTEM RANGE



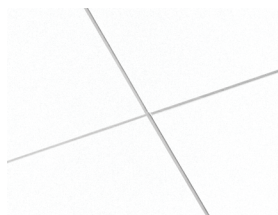
Size, mm	600x600	1200x600
Direct	•	•
Thickness (THK)	40	40
Inst. Diag.	M113	M113



Master B tile



Section of Master B system



Master B system

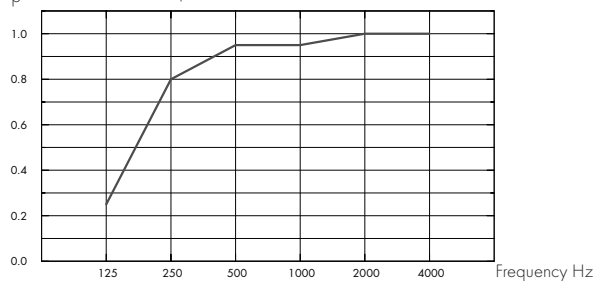


Acoustic

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



— 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	0.25	0.80	0.95	0.95	1.00	1.00	1.00	A

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



Accessibility

The tiles are not demountable.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Visual appearance

White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Retro reflection coefficient 63 mcd/(m²lx). Gloss < 1.



Influence of climate

The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (EN 13964).



Indoor Climate

Certificate / Label

French VOC, A

Finnish M1



CO₂

Kg CO₂ equiv/m²

6,98

From EPD in conformity with ISO 14025 / EN 15804



Fire safety

Country

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.



Mechanical properties

Additional live load has to be fixed to the soffit.



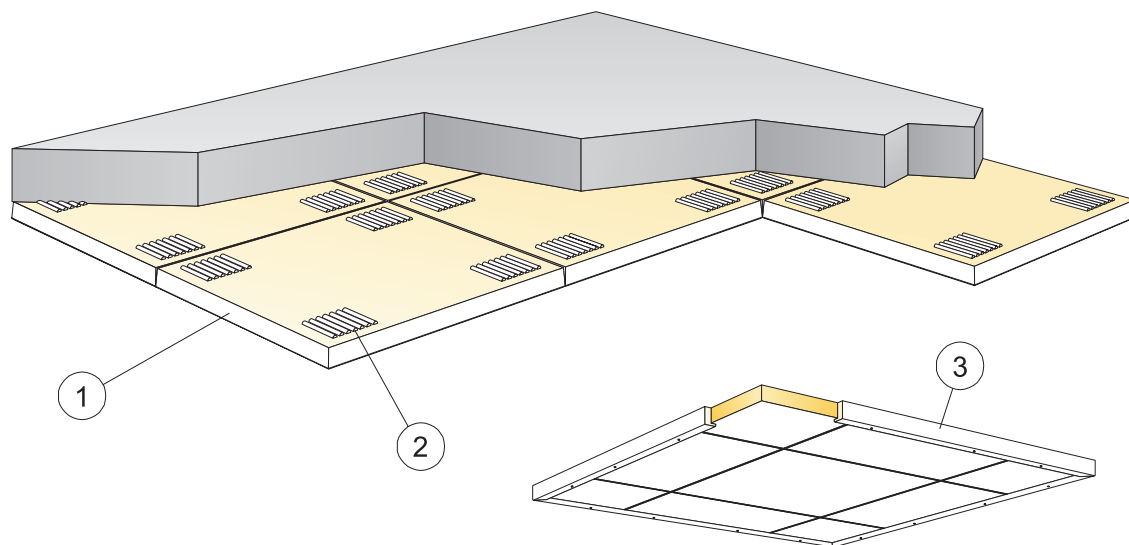
Installation

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.



CE

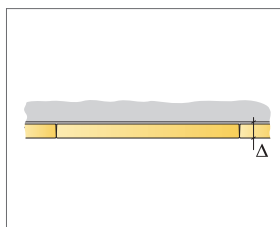
The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.



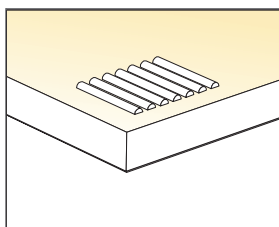
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

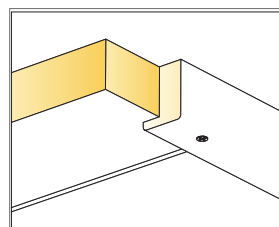
		Size, mm	
		600x600	1200x600
1	Master B	2,8/m ²	1,4/m ²
2	Connect Absorber glue (0,25 l/m ² - 0,4 l/m ² depending on installation conditions)	as required	as required
3	When installing floating ceilings: Connect Wood trim, L=3000, fixed at 500 mm centres	as required	as required
Δ Min. overall depth of system: 43 mm		-	-
δ Min. demounting depth: The system is not demountable		-	-
Cut visible edges should be painted		-	-
Use Connect Notched spatula to apply the glue.		-	-



See Quantity specification



Application of glue



Wood trim for floating installation

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	-	-

Live load/load bearing capacity