

# 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.

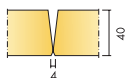
The tiles are manufactured from high density glass wool. The visible surface has an Akutex™ FT coating and the back of the tile is covered with glass tissue. The edges are painted. The weight is approximately 5 kg/m².

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



Navigator, Malmö, Sweden

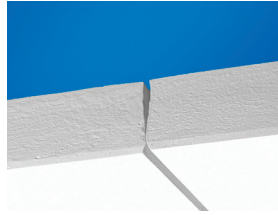
## SYSTEM RANGE



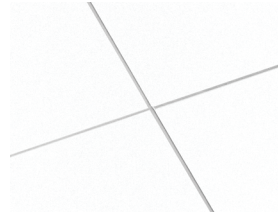
Size, mm	600x600
Direct	•
Thickness (THK)	40
Inst. Diag.	M113



Master B tile



Section of Master B system



Master B system

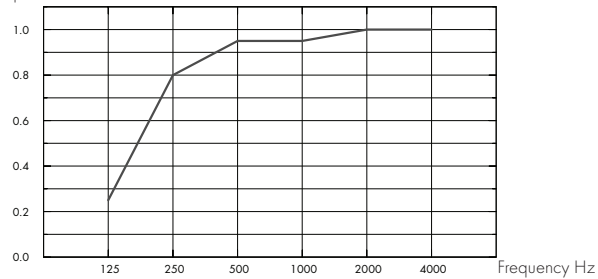


## Acoustic

### 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.

$\alpha_p$  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	$\alpha_p$ Practical sound absorption coefficient						$\alpha_w$	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



## Indoor Air Quality

Certificate / Label

French VOC, A

Finnish M1



## Circularity

Fully recyclable.



## 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.



## Humidity Resistance

Class C, relative humidity 95% and 30°C, according to EN 13964:2014



### Visual appearance

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White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance. Gloss < 1.



### Cleanability

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Daily dusting and vacuum cleaning. Weekly wet wiping.



### Accessibility

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The tiles are not demountable.



### Installation

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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.



### Mechanical properties

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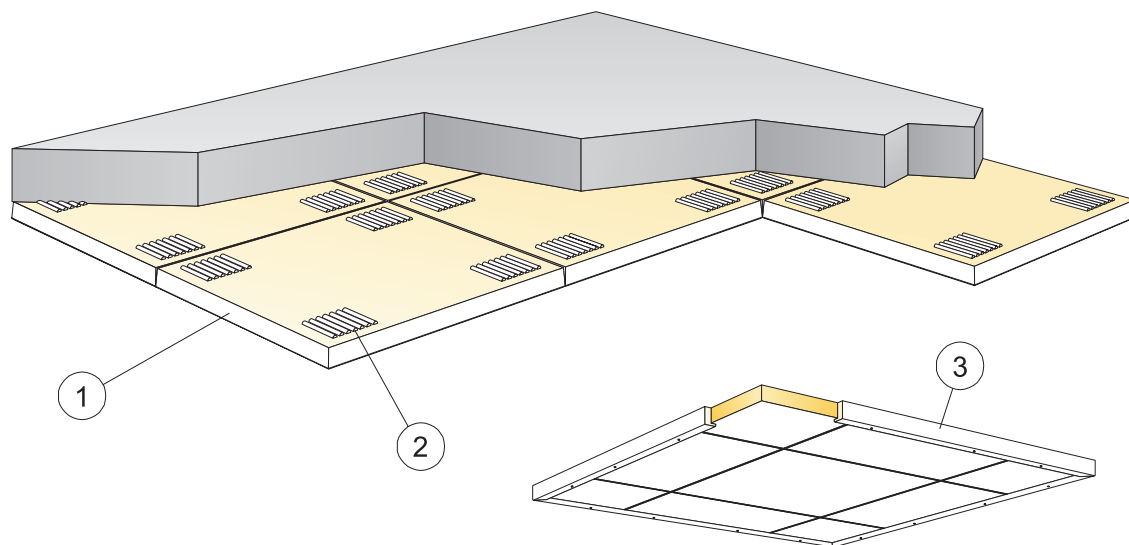
Additional live load has to be fixed to the soffit.



### CE

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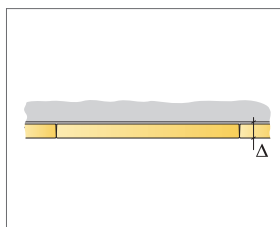
Ecophon ceiling systems are CE marked according to the European harmonized standard EN13964:2014. CE marked construction products are covered by a Declaration of Performance (DOP) which enables customers and users to easily compare performance of products available on the European market.



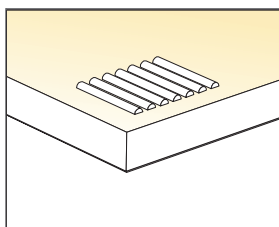
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## QUANTITY SPECIFICATION (EXCL. WASTAGE)

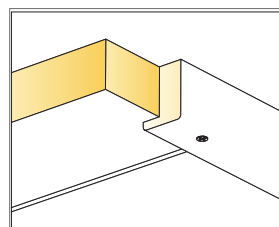
		Size, mm
		600x600
1	Master B	2,8/m <sup>2</sup>
2	Connect Absorber glue (0,25 l/m <sup>2</sup> - 0,4 l/m <sup>2</sup> depending on installation conditions)	as required
3	When installing floating ceilings: Connect Wood trim, L=3000, fixed at 500 mm centres	as required
Δ Min. overall depth of system: 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