

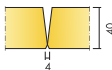
# Ecophon Master™ B

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.

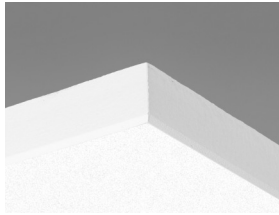


Kinderogesheim St. Markus, Germany

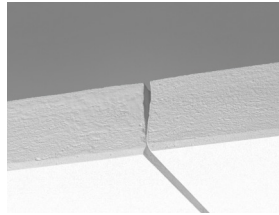
## SYSTEM RANGE



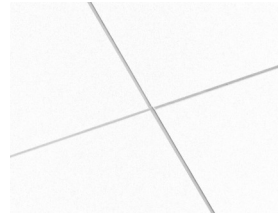
Size, mm	600x600	1200x600
Direct	•	•
Thickness	40	40
Inst. Diag.	M113	M113



Master B tile



Section of Master B system



Master B system

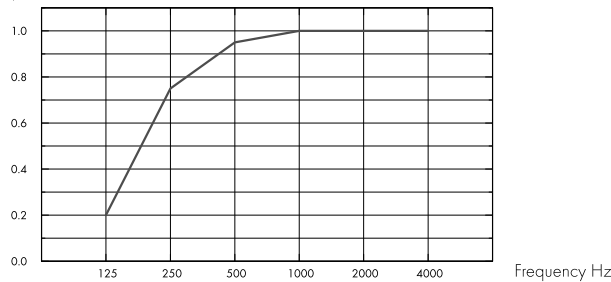
## Acoustic



### 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.

$\alpha_p$ , 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	0.20	0.75	0.95	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
40	43	0.95	0.93

## Indoor Air Quality



Certificate / Label	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•



## Environmental Footprint



	kg CO <sub>2</sub> equiv/m <sup>2</sup>
Master B	7,30

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

## Circularity



Minimum post-consumer recycled content	62%
Recyclability	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

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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 non-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.



### System weight

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The weight of the system should be approximately 5 kg/m<sup>2</sup>.



### Mechanical properties

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Additional live load has to be fixed to the soffit.

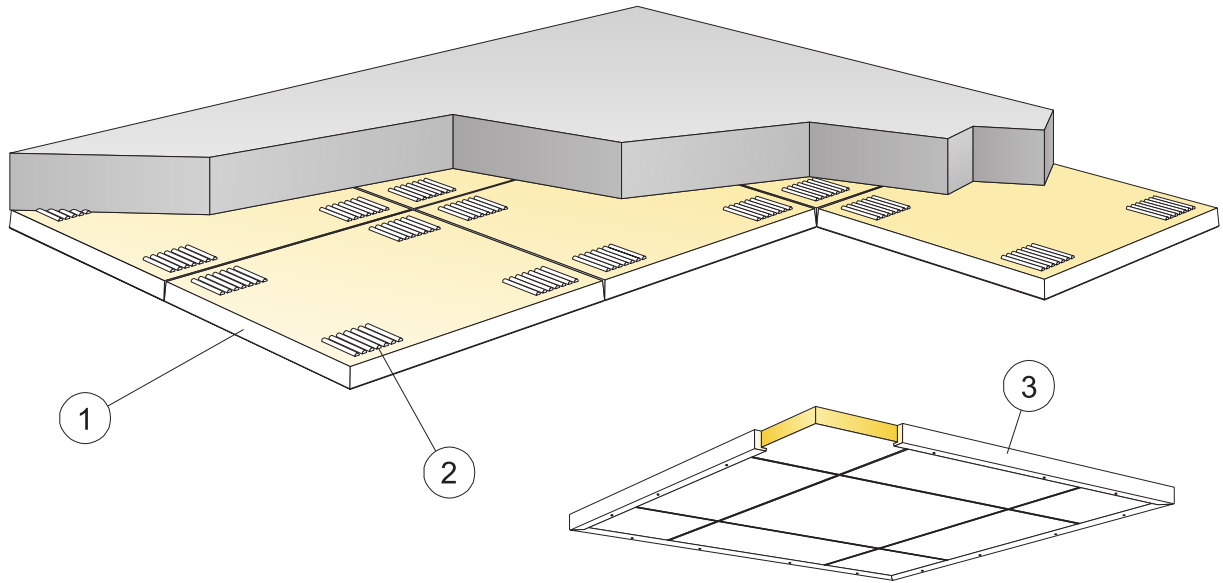


### CE

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Ecophon ceiling systems are CE marked according to the European harmonized standard 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.

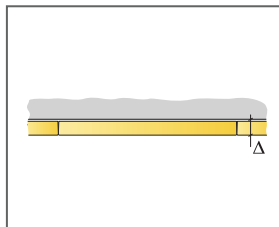
## INSTALLATION DIAGRAM (M113) FOR ECOPHON MASTER B, USING CONNECT ABSORBER GLUE



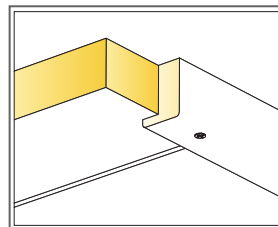
© Ecophon Group

### QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm	
	600x600	1200x600
1 Master B	2,8/m <sup>2</sup>	1,4/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] [10 litres]	as required	as required
Use Connect Notched spatula to apply the glue.	-	-
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