

# Ecophon Super G™ B

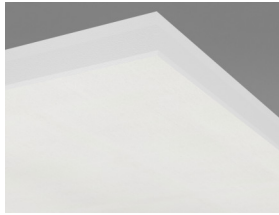
Ecophon Super G™ B has bonded tiles edge to edge, directly to the soffit surface. The bevelled edge creates a narrow groove between each tile to offer a smooth appearance. For applications where the minimum possible overall depth of system is required and there's risk of high mechanical impact.



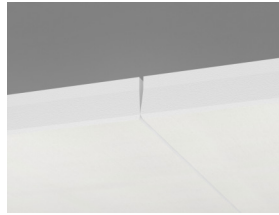
## SYSTEM RANGE



Size, mm	600x600
Direct	•
Thickness (THK)	40
Inst. Diagr.	M298, M487



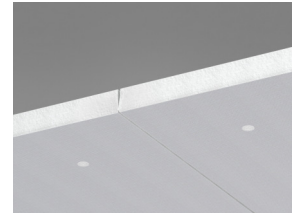
Super G B tile



Section of Super G B system



Super G B system



Section of Super G B system with screws

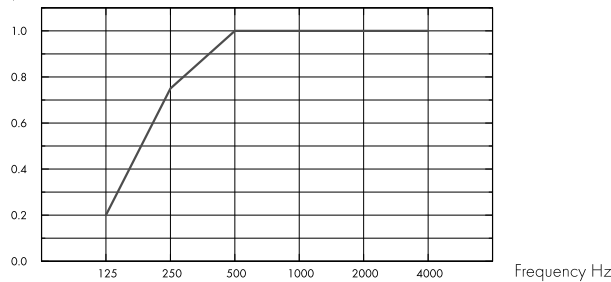
## Acoustic



### 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



– Super G 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	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	
Eurofins Indoor Air Comfort®	IAC
French VOC	A
Finnish M1	•



## Environmental Footprint



kg CO <sub>2</sub> equiv/m <sup>2</sup>	
Super G B	8,40

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

## Circularity



Minimum post-consumer recycled content	58%
Recyclability	Fully recyclable

## Fire safety



Country	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

White O85. Nearest NCS colour sample: S 1002-Y. Light reflectance: 78%. (The tiles need to be installed in accordance with the arrows on the back of the tile in order to get optimal visual appearance).



## Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



## Accessibility

The tiles are not 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. Install tiles according to arrows.



## System weight

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



## Mechanical properties

See table regarding the min- and max- load bearing capacities and functional demands. Additional live load has to be fixed to the soffit.



## Impact Resistance

M-sketch	
M298	1A
M487	1A

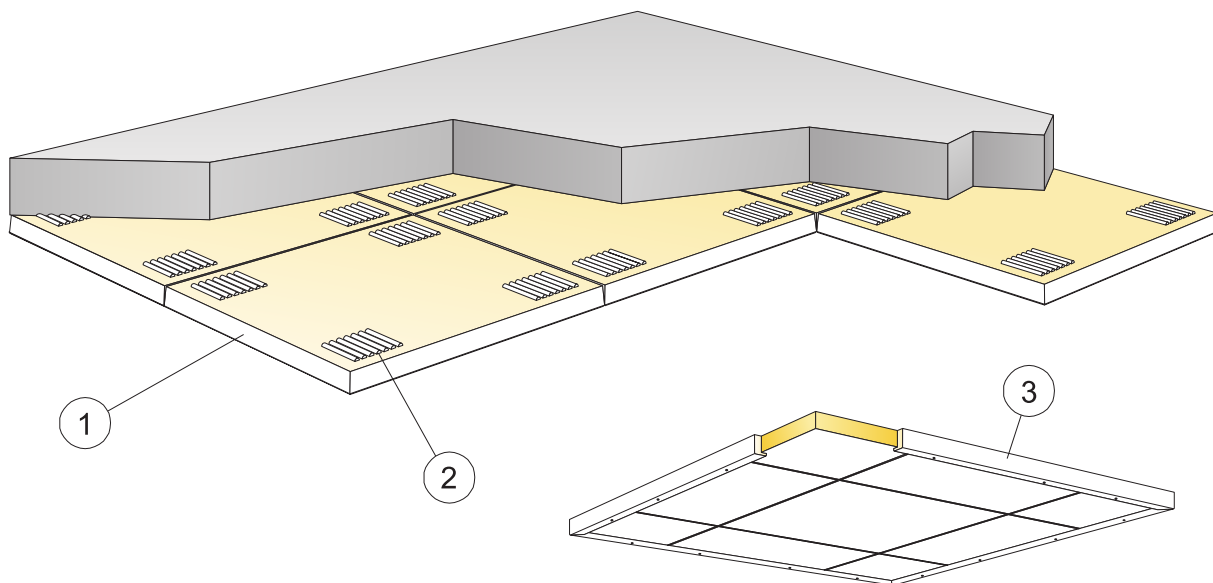
Tested and classified according to EN 13964 annex D and fulfill the demands corresponding to DIN 18032 part 3. Adding installations to the system might affect the systems impact resistance.



## 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.

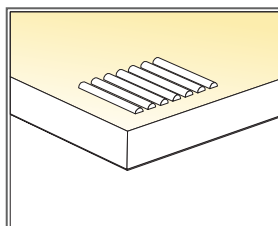
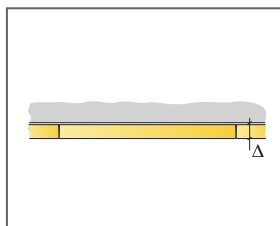
## INSTALLATION DIAGRAM (M298) FOR ECOPHON SUPER G B, USING CONNECT ABSORBER GLUE



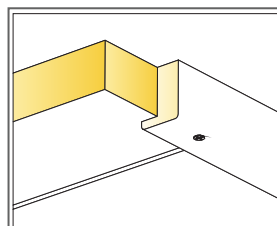
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm
	<b>600x600</b>
1 Super G 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
Use Connect Notched spatula to apply the glue.	-
Δ Min. overall depth of system: 43 mm	-
δ Min. demounting depth: The system is not demountable	-
Cut visible edges should be painted	-



Application of glue

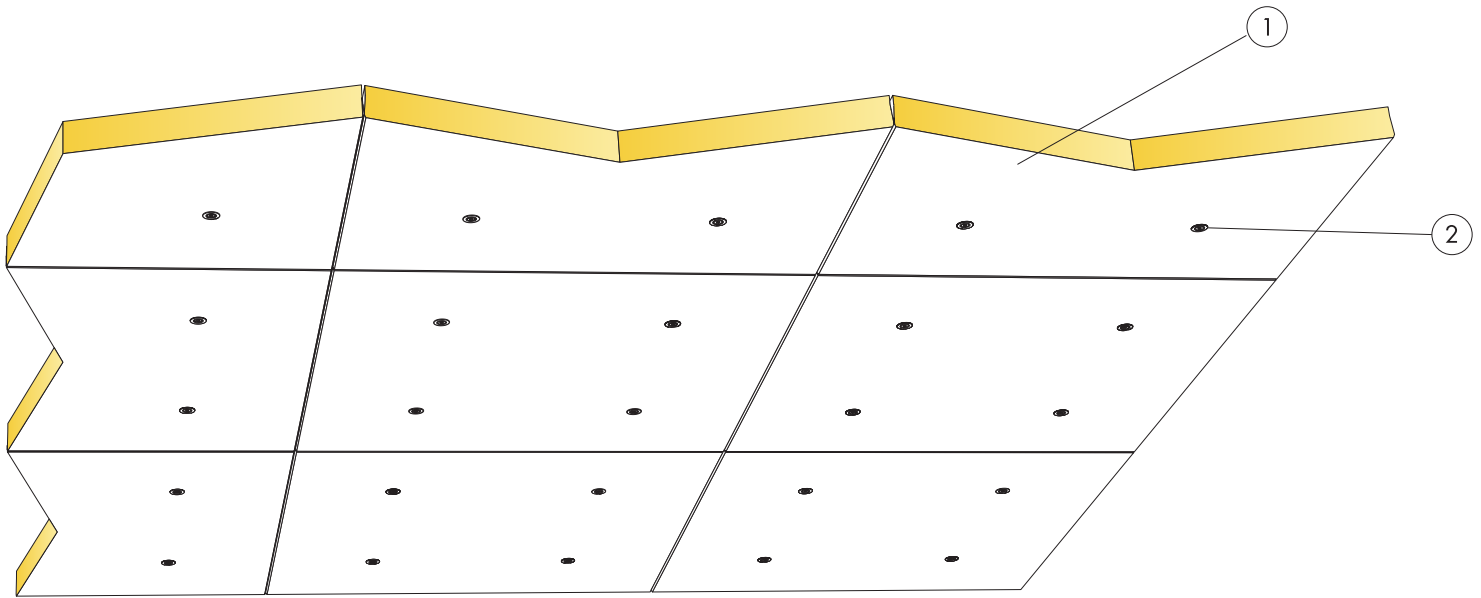


Wood trim for floating installation

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

Live load/load bearing capacity

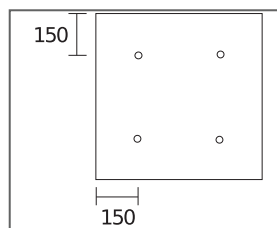
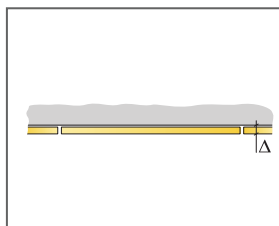
## INSTALLATION DIAGRAM (M487) FOR ECOPHON SUPER G B WITH SCREW AND WASHER



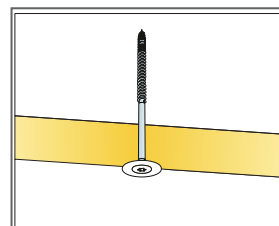
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		<b>600x600</b>
1	Super G B	2,8/m <sup>2</sup>
2	Connect Absorber screw SuperGB	11,1/m <sup>2</sup>
	Δ Min. overall depth of system: 43 mm	-
	δ Min. demounting depth: The system is not demountable	-
	Cut visible edges should be painted	-



Position of screws size 600x600



Panel with Connect Absorber screw SuperGB

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

Live load/load bearing capacity