

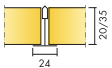
Ecophon Super G™ A

Ecophon Super G™ A has an exposed grid system with impact bracing bars or clips to keep tiles in place. For applications in school corridors and other environments where there is a risk for mechanical impact.

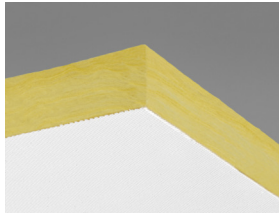


Cardea, Leiderdorp, Netherlands

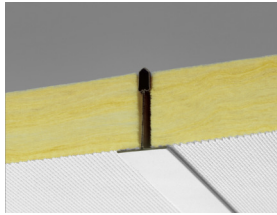
SYSTEM RANGE



Size, mm	600x600	600x600	1200x600	1200x600	XL 1600x600	XL 1800x600	XL 2000x600	XL 2400x600
T24	•	•	•	•	•	•	•	•
Thickness (THK)	20	35	20	35	35	35	35	35
Inst. Diag.	M199	M55	M199	M55	M55	M55	M55	M55



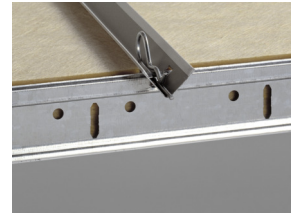
Super G A tile



Section of Super G A system with Connect T24



Super G A system



Super G A with Connect Impact bracing

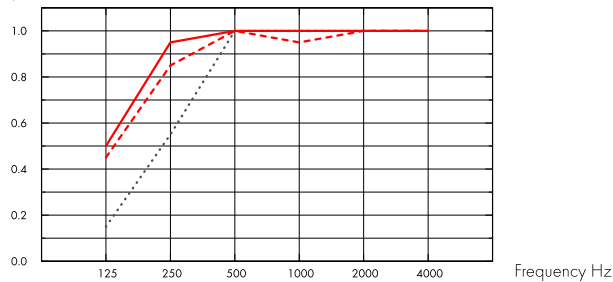
Acoustic



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



--- Super G A 20 mm, 200 mm o.d.s.

.... Super G A 35 mm, 50 mm o.d.s.

— Super G A 35 mm, 200 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		
20	200	0.45	0.85	1.00	0.95	1.00	1.00	1.00	A
35	50	0.15	0.55	1.00	1.00	1.00	1.00	0.85	B
35	200	0.50	0.95	1.00	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
35	50	0.90	0.92
35	200	1.00	0.97
35	400	0.90	0.92

Indoor Air Quality



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



Environmental Footprint



	kg CO ₂ equiv/m ²
Super G A 20mm	3,28
Super G A 35mm	4,90

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



Circularity

Minimum post-consumer recycled content (35 mm Super GA)	51%
Minimum post-consumer recycled content (20 mm Super GA)	42%
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 085. 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. (The tiles have to be installed according to the arrows on the back of the tile.)



System weight

	kg/m ²
Super G A 20 mm	1,7
Super G A 20 mm + Connect Grid System	2,7
Super G A 35 mm	2,6
Super G A 35 mm + Connect Grid System	3,6

Weight information is indicative and subject to variation.



Mechanical properties

See table regarding the min- and max- load bearing capacities and functional demands.



Impact Resistance

Thickness	M-sketch	
20	M199	3A
35	M55	2A

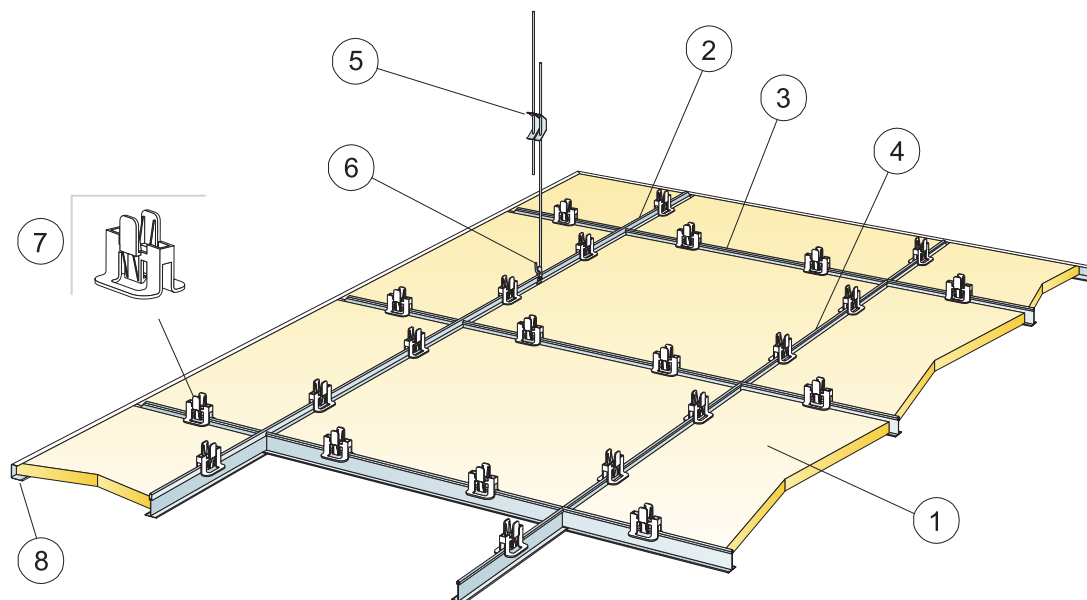
Tested and classified according to EN 13964 annex D.



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.

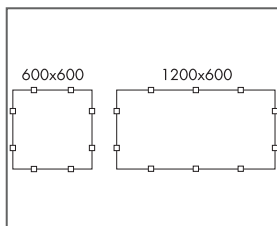
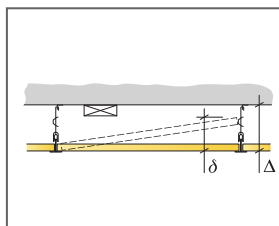
INSTALLATION DIAGRAM (M199) FOR ECOPHON SUPER G A (20MM)



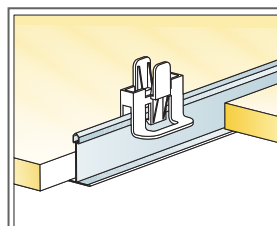
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm	
	600x600	1200x600
1 Super G A	2,8/m ²	1,4/m ²
2 Connect T24 Main runner, installed at 1200 mm centres (max distance from wall 300 mm)	0,9m/m ²	0,9m/m ²
3 Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²	1,7m/m ²
4 Connect T24 Cross tee, L=600 mm	0,9m/m ²	-
5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²	0,7/m ²
6 Connect Hanger clip (secured with screw)	0,7/m ²	0,7/m ²
7 Connect Hygiene Clip 20	11/m ²	7/m ²
8 Connect Channel trim	as required	as required
Δ Min. overall depth of system: 150 mm	-	-
δ Min. demounting depth: 150 mm (non-clipped panel)	-	-



Arrangement of clips

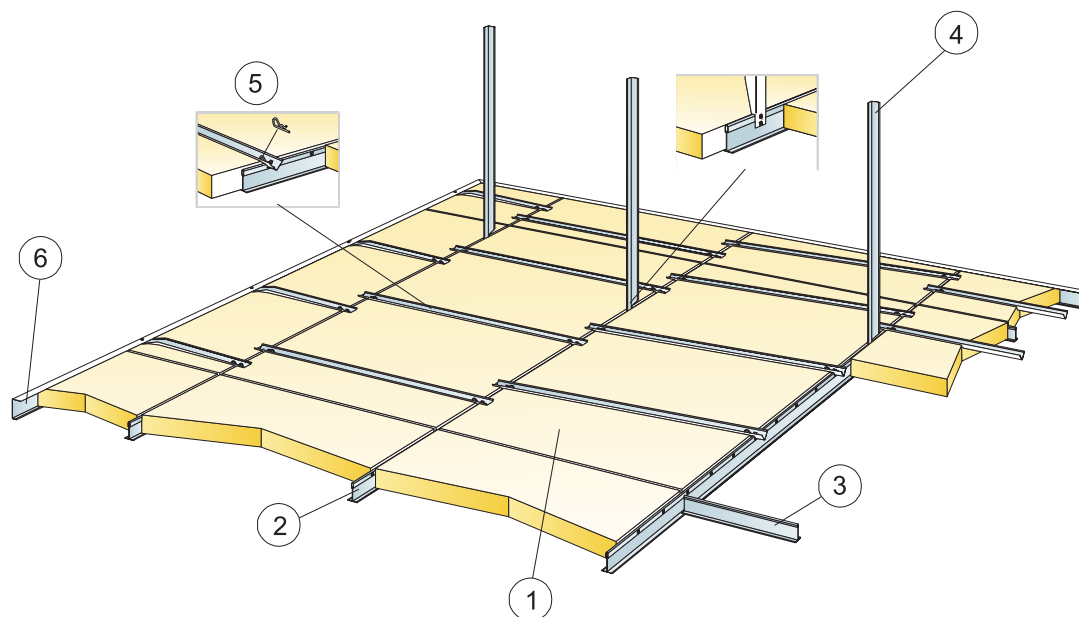


Clip for keeping tiles in place

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x20	50	160
1200x600x20	50	160

Live load/load bearing capacity

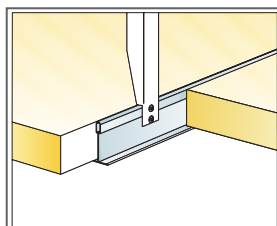
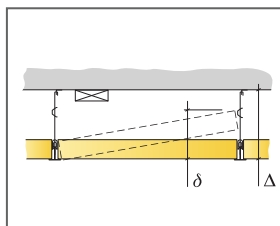
INSTALLATION DIAGRAM (M55) FOR ECOPHON SUPER G A AND SUPER G A XL, SUSPENDED INSTALLATION (35MM)



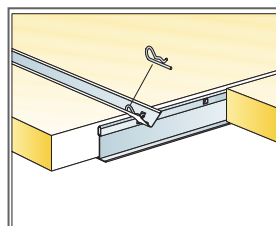
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm					
	600x600	1200x600	1600x600	1800x600	2000x600	2400x600
1 Super G A and Super G A XL	2,8/m ²	1,4/m ²	1,05/m ²	0,95/m ²	0,85/m ²	0,7/m ²
2 Connect T24 Main runner, installed at 600 mm centres	1,7m/m ²	1,7m/m ²	1,7m/m ²	1,7m/m ²	1,7m/m ²	1,7m/m ²
3 Connect T24 Cross tee, L=600 mm	1,7m/m ²	0,9m/m ²	0,65m/m ²	0,6m/m ²	0,5m/m ²	0,45m/m ²
4 Rigid hanger made of Connect Angle trim, max. L=1200 mm at 1200 mm centres	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²	1,4/m ²
5 Connect Impact Bracing (Split pins included)	5,6/m ²	4,2/m ²	4,2/m ²	4,2/m ²	4,2/m ²	4,2/m ²
6 Connect Channel trim, fixed at 300 mm centres (h=44 mm)	as required	as required	as required	as required	as required	as required
Δ Min. overall depth of system: 200 mm	-	-	-	-	-	-
δ Min. demounting depth: 200 mm (for tile without Impact bracing)	-	-	-	-	-	-



Detail of suspension



Connection between profiles with split pin

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x35	40	160
1200x600x35	40	160
1600x600x35	40	160
1800x600x35	40	160
2000x600x35	40	160
2400x600x35	40	160

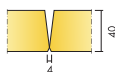
Live load/load bearing capacity

Ecophon Super G™ B

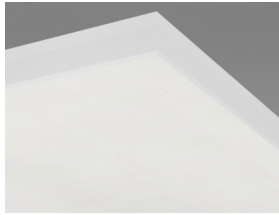
Ecophon Super G™ B has bonded tiles edge to edge, directly to the soffit surface. The bevelled edge creates a narrow groove between each tile to offer a smooth appearance. For applications where the minimum possible overall depth of system is required and there's risk of high mechanical impact.



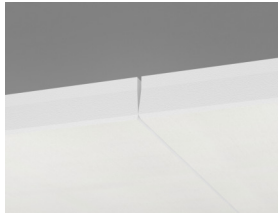
SYSTEM RANGE



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



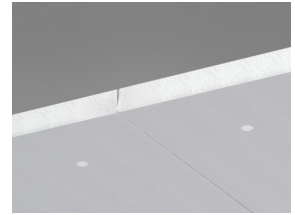
Super G B tile



Section of Super G B system



Super G B system



Section of Super G B system with screws

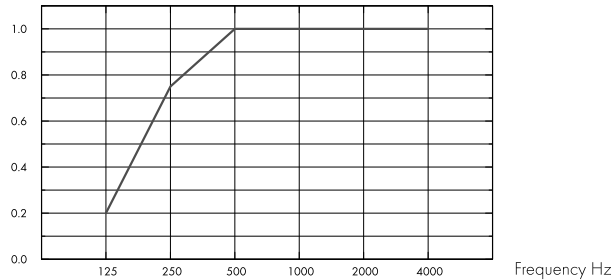


Acoustic

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.

α_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	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	0.75	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 ₂ equiv/m ²
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	Fire 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

White 085. 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

	kg/m ²	Weight information is indicative and subject to variation.
Super G B	3,9	



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

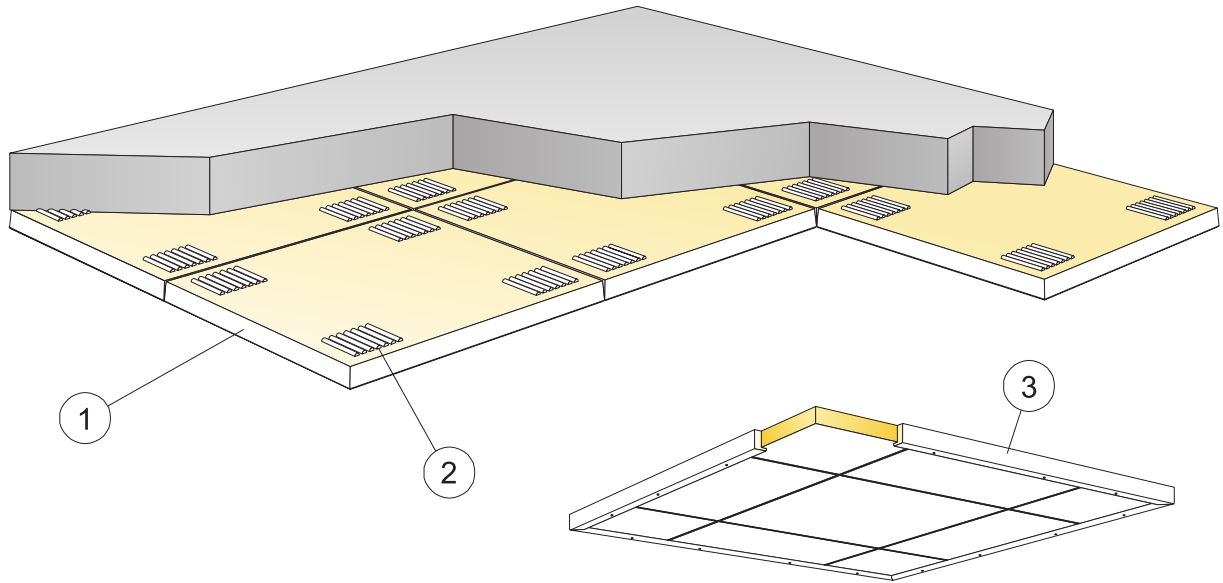
M-scratch		Tested and classified according to EN 13964 annex D and fulfill the demands corresponding to DIN 18032 part 3. Adding installations to the system might affect the systems impact resistance.
M298	1A	
M487	1A	



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.

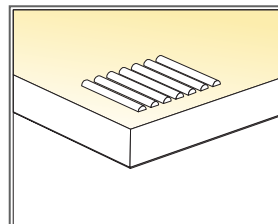
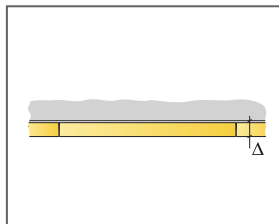
INSTALLATION DIAGRAM (M298) FOR ECOPHON SUPER G B, USING CONNECT ABSORBER GLUE



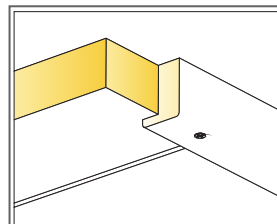
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		600x600
1	Super G B	2,8/m ²
2	Connect Absorber glue (0,25 l/m ² - 0,4 l/m ² 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

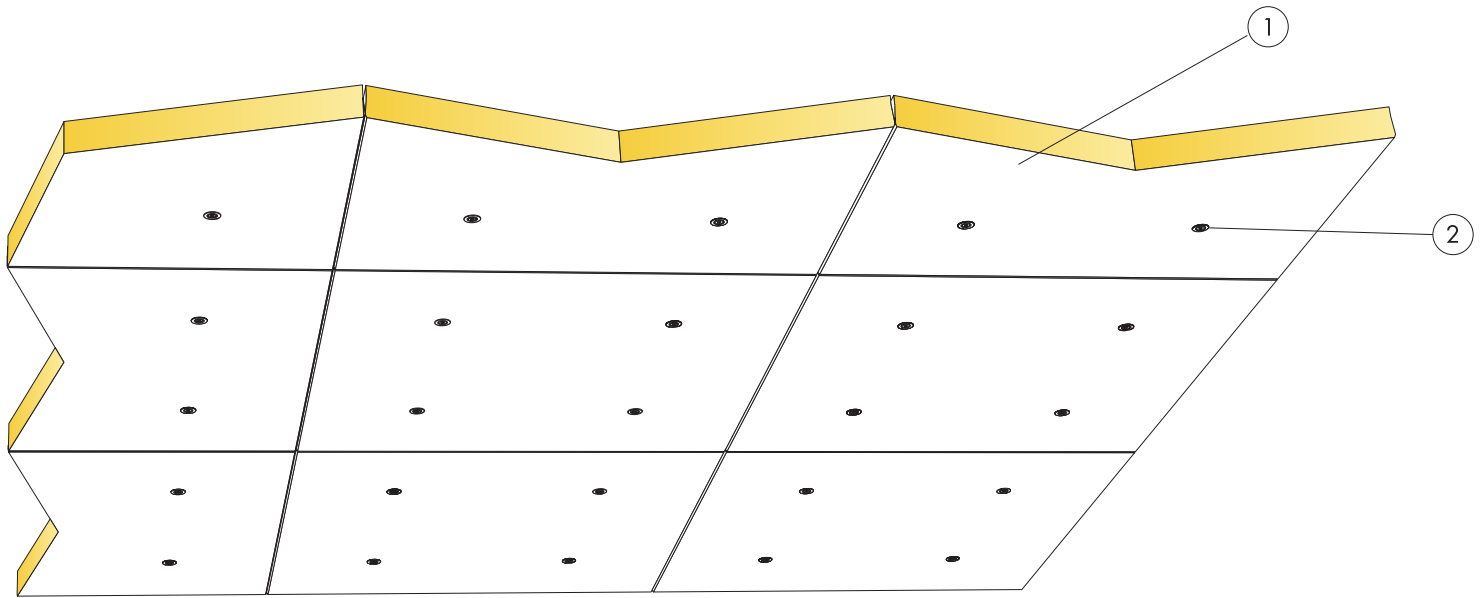


Wood trim for floating installation

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

Live load/load bearing capacity

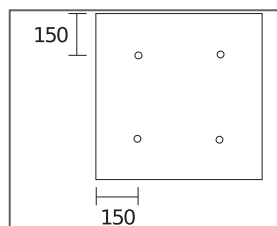
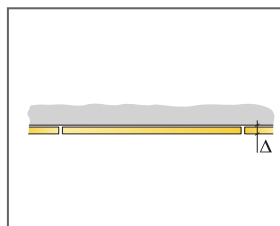
INSTALLATION DIAGRAM (M487) FOR ECOPHON SUPER G B WITH SCREW AND WASHER



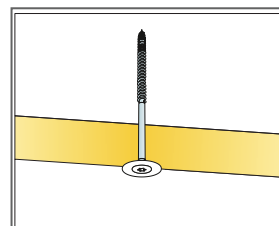
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		600x600
1	Super G B	2,8/m ²
2	Connect Absorber screw SuperGB	11,1/m ²
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

