

Ecophon Super G™ Plus A

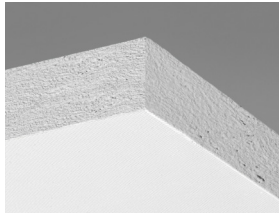
Ecophon Super G™ Plus A has a robust grid system consisting of recessed profiles mounted directly to the soffit or a suspended grid system. For ceilings in sports halls or similar environments with a risk of high mechanical impact.



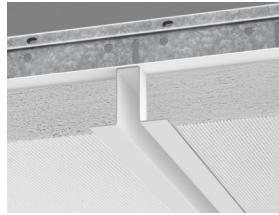
Liemers College Zevenaar, Netherlands

SYSTEM RANGE

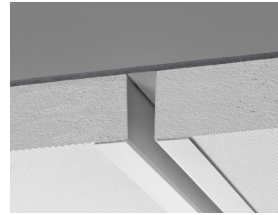
	Size, mm	1200x600
	Special Fixing	•
	Thickness (THK)	40
	Inst. Diagr.	M115, M527



Super G Plus A tile



Super G Plus A tile



Section of Super G Plus A system direct installation



Section of Super G Plus system suspended installation

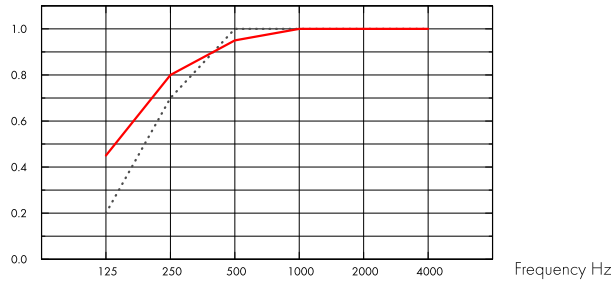
Acoustic



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 Plus A 40 mm, 40 mm o.d.s.

— Super G Plus A 40 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		
40	40	0.20	0.70	1.00	1.00	1.00	1.00	1.00	A
40	200	0.45	0.80	0.95	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
40	40	0.95	0.95
40	200	0.90	0.89
40	400	0.85	0.87

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 Plus A	7,73

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

Circularity



Minimum post-consumer recycled content	57%
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%.



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 Plus A	3,7
Super G Plus A + Connect Grid System	4,7

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

M-sketch	
M115	1A
M527	1A

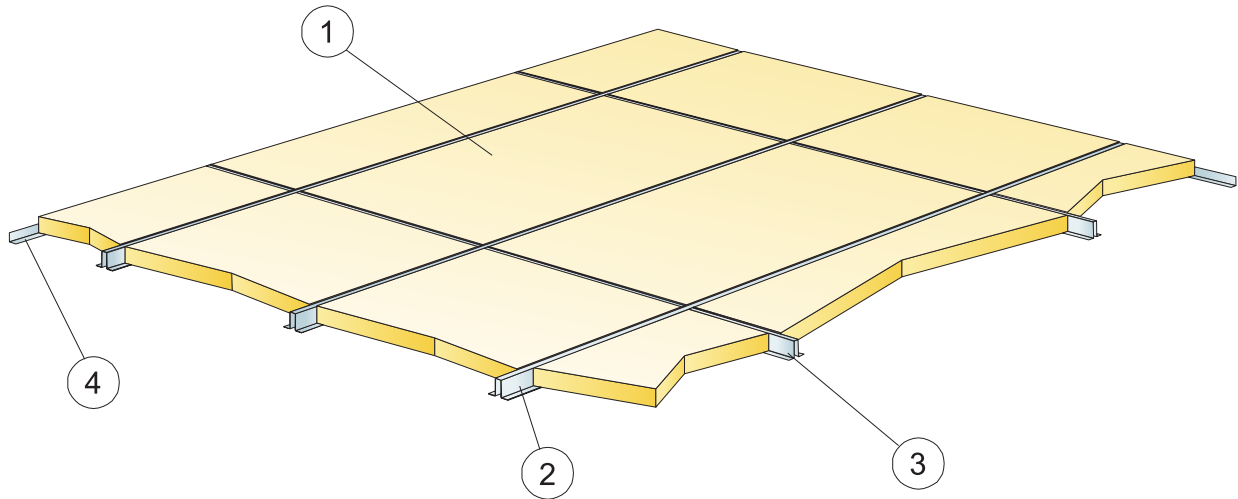
Tested and classified according to EN 13964 annex D and fulfill the demands corresponding to DIN 18032 part 3. Adding installations to the system might affect the systems impact resistance.



CE

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

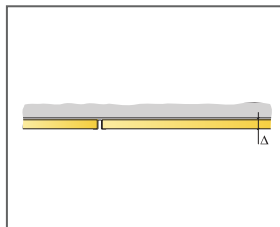
INSTALLATION DIAGRAM (M115) FOR ECOPHON SUPER G PLUS A, DIRECT INSTALLATION



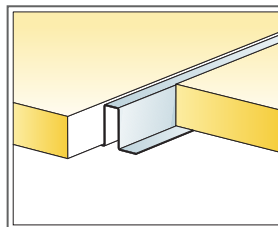
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1200x600
1	Super G Plus A	1,4/m ²
2	Connect Recessed profile Plus, L=3000 mm, installed at 600 mm centres, fixed at 600 mm centres	1,7m/m ²
3	Connect Recessed profile Plus, L=576 mm, installed at 1200 mm centres	0,8m/m ²
4	Connect Angle trim, fixed at 300 mm centres	as required
Δ Min. overall depth of system: 42 mm		-
δ Min. demounting depth: The system is not demountable		-



See Quantity specification

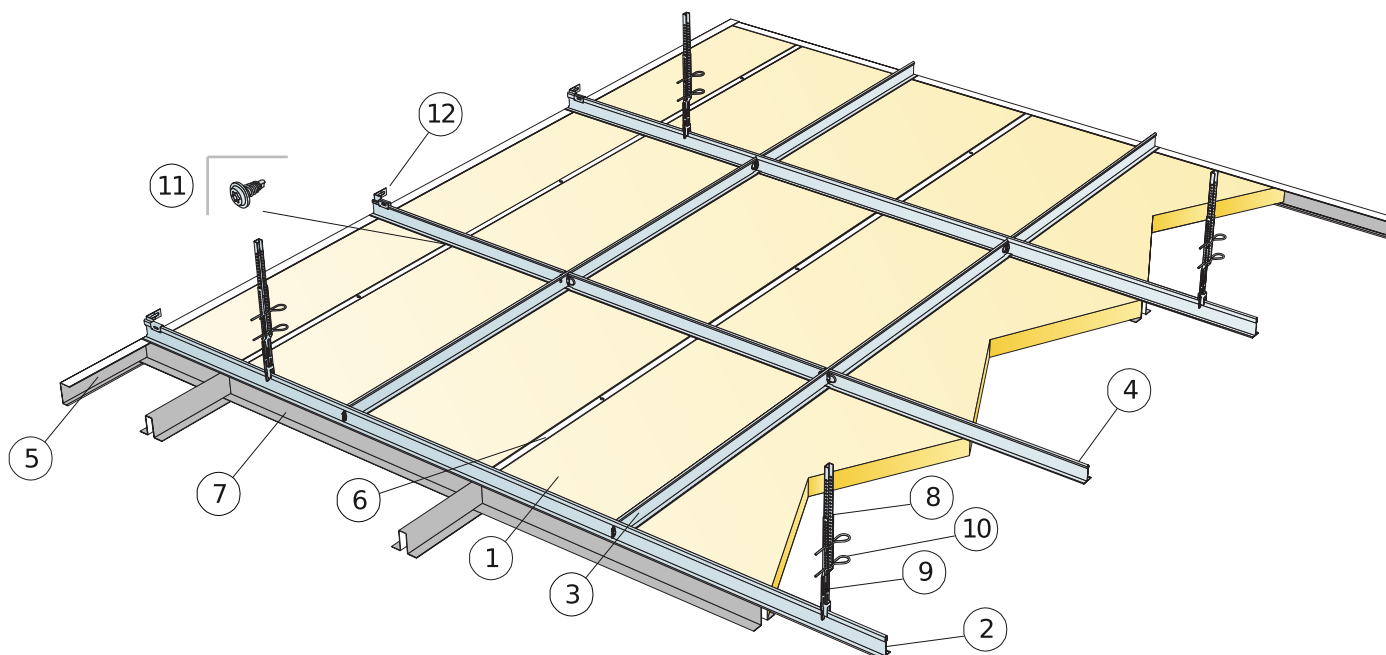


Installation with recessed profile

Size, mm	Max live load (N)	Min load bearing capacity (N)
1200x600x40	50	220

Live load/load bearing capacity

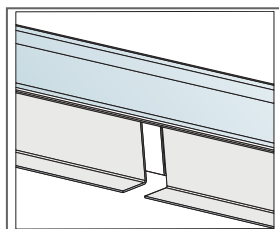
INSTALLATION DIAGRAM (M527) FOR ECOPHON SUPER G PLUS A, SUSPENDED INSTALLATION



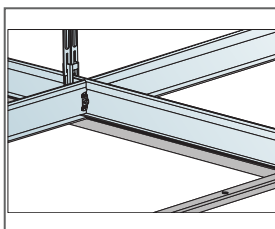
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

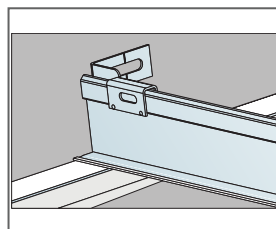
		Size, mm
		1200x600
1	Super G Plus A	1,4/m ²
2	Connect T24 Main runner, installed at 600 mm centres	0,9m/m ²
3	Connect T24 Cross Tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²
4	Connect T24 Cross Tee, L=600 mm	0,9m/m ²
5	Connect Channel trim, fixed at 300 mm centres (h=44 mm)	as required
6	Connect Recessed profile Plus, L=3000 mm, installed at 600 mm centres, fixed at 600 mm centres	1,7m/m ²
7	Connect Recessed profile Plus, L=576 mm, installed at 1200 mm centres	0,8m/m ²
8	Connect Nonius hanger upper, installed at 1200 mm centres	0,7/m ²
9	Connect Nonius hanger lower, installed at 1200 mm centres	0,7/m ²
10	Connect Split pin (2/hanger)	1,4/m ²
11	Connect Installation screw P, installed at 400 mm centres	4,4/m ²
12	Connect Wall Bracket for Main runners	1/second row of Main runner
Δ Min. overall depth of system: Δ 270 mm		-



Installation with recessed profile



Installation with recessed profile and C-profile



Connect C-profile plus with Connect Wall bracket plus

Size, mm	Max live load (N)	Min load bearing capacity (N)
1200x600x40	20	220

Live load/load bearing capacity