

Ecophon Super G™ Plus A

For ceilings in sports halls or similar where there is risk of high mechanical impact. Ecophon Super G Plus A has a robust grid system consisting of recessed profiles mounted directly to the soffit or on a suspended sub-grid. The tiles are not demountable.

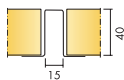
For best performance and system quality, use Ecophon Connect grid and accessories. The grid is manufactured from galvanized steel.

The systems consist of Ecophon Super G Plus A tiles and Ecophon Connect grid systems, with an approximate weight of 6 kg/m² for direct installation and 10 kg/m² for suspended installation. The tiles are manufactured from high density, 3rd generation glass wool. The visible surface is a strong glass fibre fabric and the back of the tile is covered with glass tissue. The edges are primed.

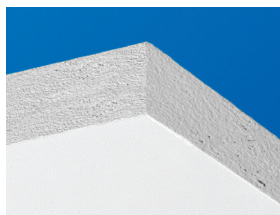


Liemers College, Zevenaar, Netherlands

SYSTEM RANGE



Size, mm	1200x600
Special Fixing	•
Thickness	40
Inst. Diagr.	M115, M116



Super G Plus tile



Section of Super G Plus system direct installation



Section of Super G Plus A system suspended installation



Super G Plus system

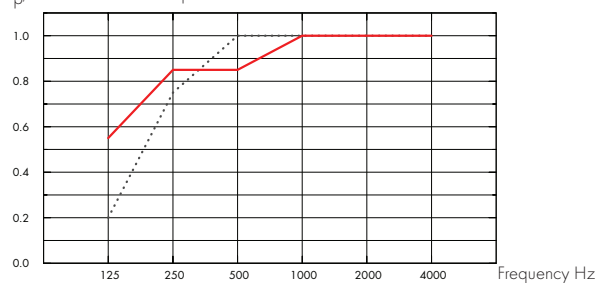


Acoustic

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.

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	0,75	1,00	1,00	1,00	1,00	1,00	A
40	200	0,55	0,85	0,85	1,00	1,00	1,00	1,00	A

THK mm	o.d.s. mm	NRC	SAA
40	40	0,90	0,90
40	200	0,90	0,89



Accessibility

The tiles are secured in the grid, but demountable.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Visual appearance

White 085. Nearest NCS colour sample: S 1002-Y. Light reflectance: 78%.



Influence of climate

The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).



Indoor Climate

Certificate / Label

Europe

EN
13501-1



Environmental influence

Certificate / Label

Europe

EN
13501-1

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.

The systems are classified as fire protective covering according to NT FIRE 003.



Mechanical properties

M115 and M116 are tested and classified as 1A according to EN 13964 annex D (and DIN 18 032 part 3). See table about Max live load and Min load bearing and Functional demands, Mechanical properties at www.ecophon.com.



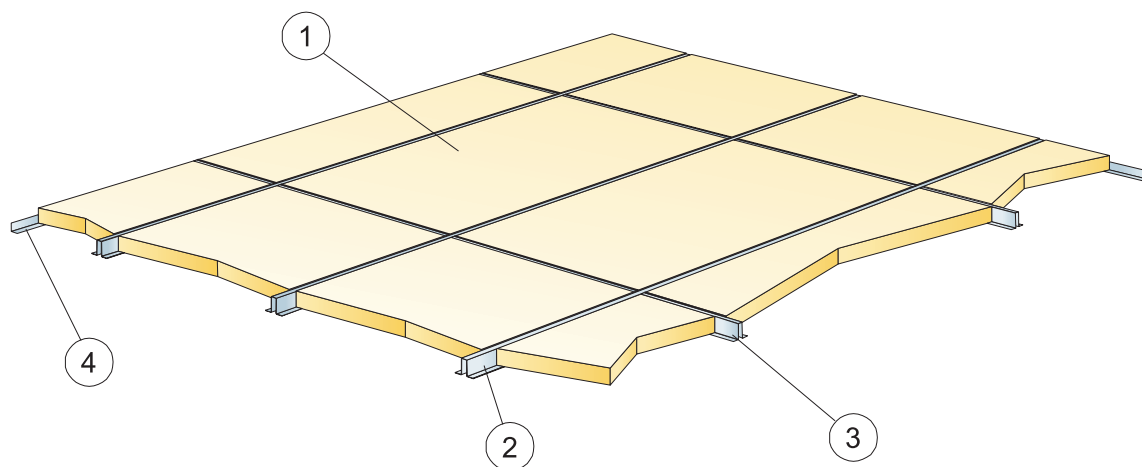
Installation

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.)



CE

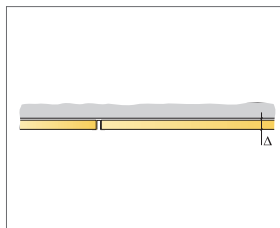
The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.



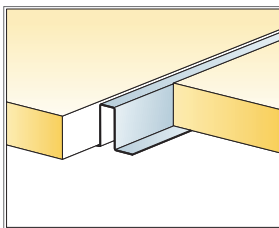
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

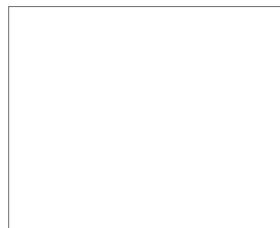
Size, mm		
1200x600		
1	Super G Plus A	1,4/m ²
2	Connect Recessed profile Plus 0358, L=2800 mm, installed at 600 mm centres, fixed at 400 mm centres	1,7m/m ²
3	Connect Recessed profile Plus 0359, L=582 mm, installed at 1200 mm centres, fixed at 400 mm centres	0,8m/m ²
4	Connect Angle trim, fixed at 300 mm centres	as required
Δ Min. overall depth of system: 42 mm		-
δ Min. demounting depth: The system is non-demountable		-



See Quantity specification

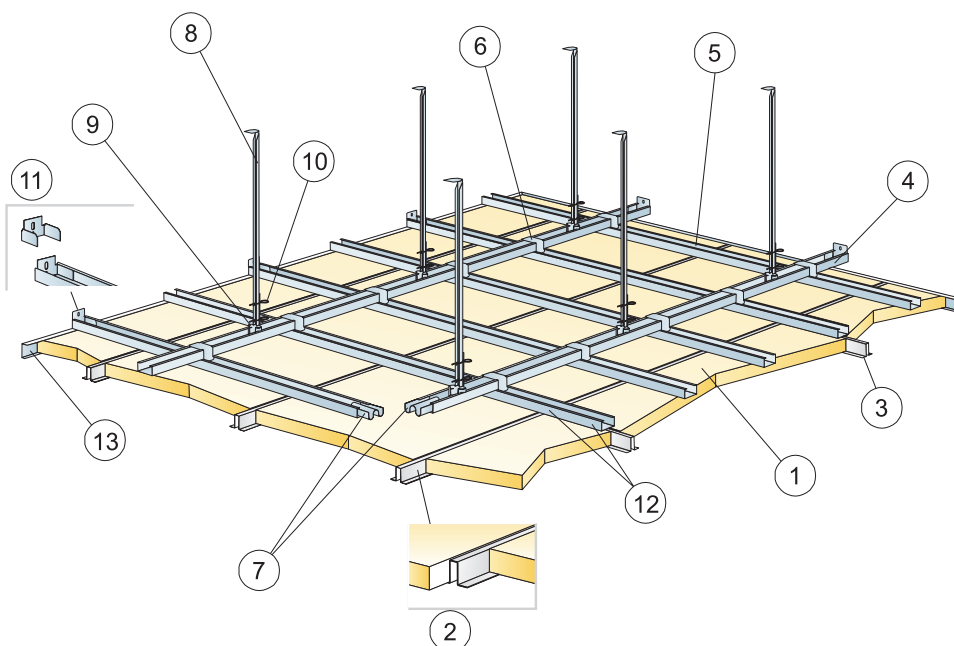


Installation with recessed profile



Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	50	220

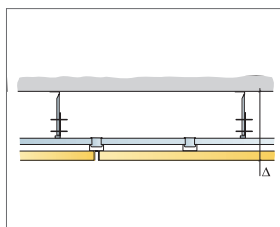
Live load/load bearing capacity



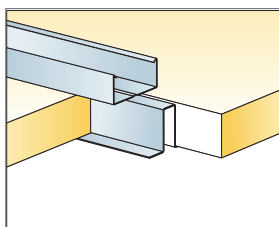
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

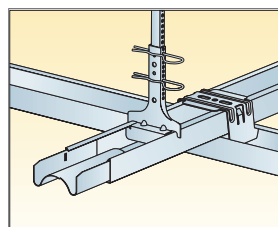
			Size, mm
			1200x600
1	Super G Plus A		1,4/m ²
2	Connect Recessed profile Plus 0358, L=2800 mm, installed at 600 mm centres, fixed at 400 mm centres		1,7m/m ²
3	Connect Recessed profile Plus 0359, L=582 mm, installed at 1200 mm centres, fixed at 400 mm centres		0,8m/m ²
4	Connect C-profile Plus 0033, L=3100 mm, installed 800 mm centres		1,3m/m ²
5	Connect C-profile Plus 0033, L=3100 mm, installed 400 mm centres		2,5m/m ²
6	Connect X-connector Plus 0980		3,2/m ²
7	Connect Splice connector Plus 0981		1,2/m ²
8	Connect Nonius hanger upper, installed at 800 mm centres		1,6/m ²
9	Connect Nonius hanger lower 0093, installed at 800 mm centres		1,6/m ²
10	Connect Split pin 0078 (2/hanger)		3,2/m ²
11	Connect Wall bracket Plus 1114		as required
12	Connect Installation screw P 4024, installed at 400 mm centres		8/m ²
13	Connect Channel trim 0261, fixed at 300 mm centres		as required
Δ Min. overall depth of system: 305 mm			-
δ Min. demounting depth: Recessed profiles and panels demountable from below			-



See Quantity specification



Installation with recessed profile and C-profile



Suspension with nonius hanger

Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	50	220

Live load/load bearing capacity