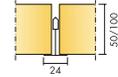


# Ecophon Industry™ Modus



Suitable for noise reduction in industry premises, where different sizes and installation methods are required. Ecophon Industry Modus can be installed in exposed grid systems or with screw and washer.

The systems consist of Ecophon Industry Modus tiles and Ecophon Connect grid systems, with an approximate weight of 3-5 kg/m<sup>2</sup> depending on thickness. The tiles have a glass wool core utilizing the 3RD Technology. The visible surface is a batch painted glass tissue (S) and the back of the tile is covered with glass tissue. The edges are natural.

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



Industry Modus tile.



Section of Industry Modus system.



Section of Industry Modus TAL system.

## SYSTEM RANGE

Size, mm	1200 x 600	1200 x 1200
Direct	•	•
T24	•	•
Thickness	50	50
Inst. Diagr.	M22, M23, M44	M22, M23, M44

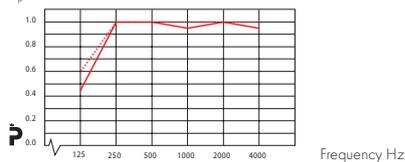
## TECHNICAL PROPERTIES

### ACOUSTIC

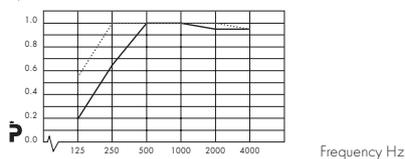
Sound Absorption: Test results according to EN ISO 354.

Classification according to EN ISO 11654.

$\alpha_p$  Practical sound absorption coefficient



$\alpha_p$  Practical sound absorption coefficient



Product	Industry Modus, 50 mm		Industry Modus, 100 mm	
	50	200	100	200
o.d.s mm				
absorption class	A	A	A	A
$\alpha_w$	0,95	1,00	1,00	1,00

Sound Insulation: Not applicable.

Sound Privacy: Not applicable

**ACCESSIBILITY** The tiles are easily demountable. Minimum demounting depth according to installation diagrams.

**CLEANABILITY** Weekly dusting and vacuum cleaning

**VISUAL APPEARANCE** S White 190, nearest NCS colour sample S 0500-N, 80% light reflectance. S Grey 981, nearest NCS colour sample S 2502-Y, 45% light reflectance. S Black 970, nearest NCS colour sample S 8502-Y, 4% light reflectance. S Nature, 60% light reflectance. Slight colour differences can occur.

**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** Certified by the Indoor Climate Labelling and recommended by the Swedish Asthma and Allergy Association.

**ENVIRONMENTAL INFLUENCE** Glass wool core utilizing 3RD Technology. Fully recyclable.

**FIRE SAFETY** 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.

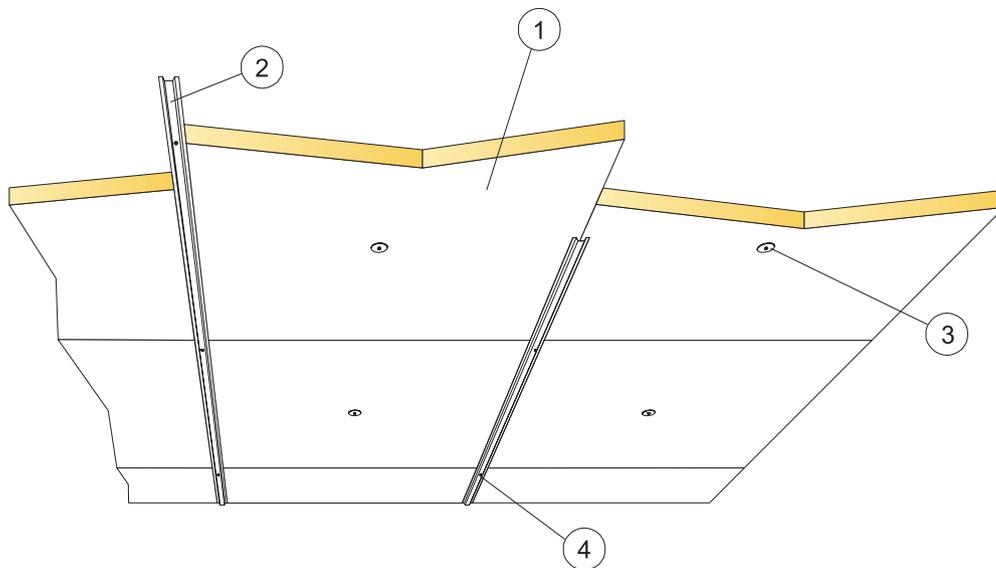
Reaction-to-fire classification

Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

**MECHANICAL PROPERTIES** See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at [www.ecophon.com](http://www.ecophon.com).

**INSTALLATION** Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.

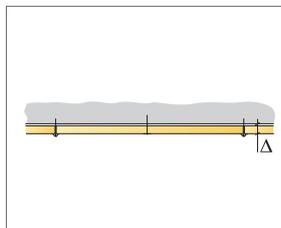
## INSTALLATION DIAGRAM (M22) FOR ECOPHON MODUS WITH INLINE CARRIER



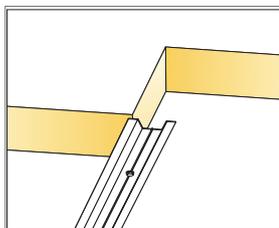
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### QUANTITY SPECIFICATION (EXCL. WASTAGE)

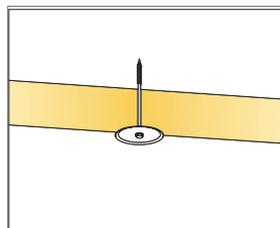
		Size, mm	
		1200x600	1200x1200
1	Industry Modus	1,4/m <sup>2</sup>	0,7/m <sup>2</sup>
2	Connect Inline carrier, installed at 1200 mm centres	0,9m/m <sup>2</sup>	0,9m/m <sup>2</sup>
3	Connect Screw (for light weight concrete or metal) and washer, installed 1 per panel	1,4/m <sup>2</sup>	0,7/m <sup>2</sup>
4	Connect Screw for metal or light weight concrete, installed 1000 mm centres	0,9/m <sup>2</sup>	0,9/m <sup>2</sup>
Δ Min. overall depth of system: 50 or 100 mm		-	-
δ Min. demounting depth: The system is non-demountable		-	-



See Quantity specification



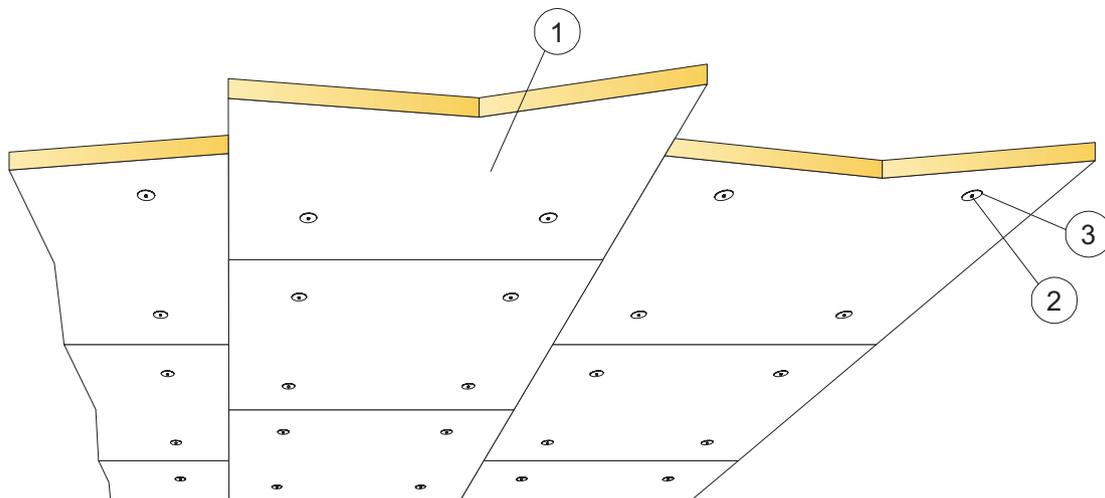
Profiles support tiles in one direction



Screw and washer in centre of tiles

Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	-	-
1200x1200	-	-

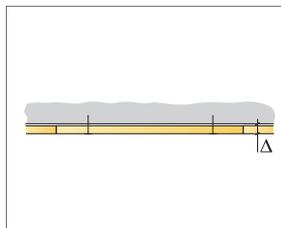
Live load/load bearing capacity



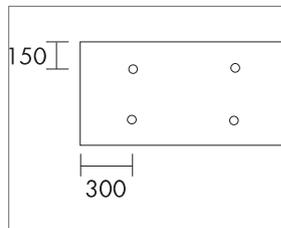
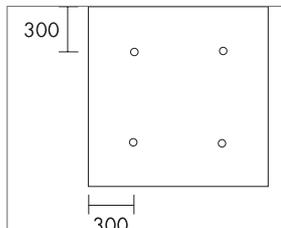
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm	
		1200x600	1200x1200
1	Industry Modus	1,4/m <sup>2</sup>	0,7/m <sup>2</sup>
2	Connect Screw (for light weight concrete or metal)	5,6/m <sup>2</sup>	2,8/m <sup>2</sup>
3	Connect Washer	5,6/m <sup>2</sup>	2,8/m <sup>2</sup>
Δ Min. overall depth of system: 50 or 100 mm		-	-
δ Min. demounting depth: The system is non-demountable		-	-

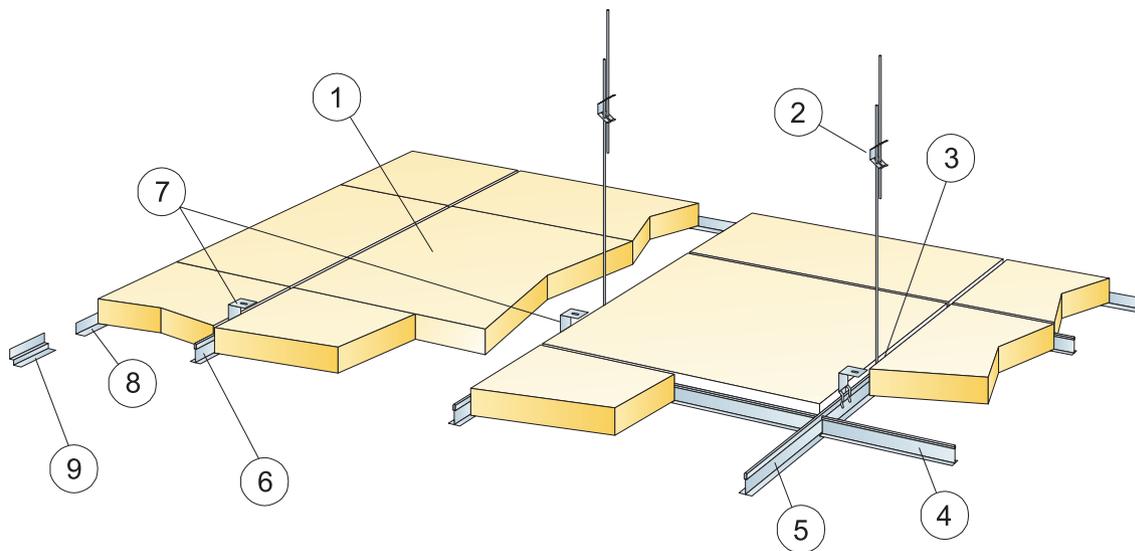


See Quantity specification



Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	-	-
1200x1200	-	-

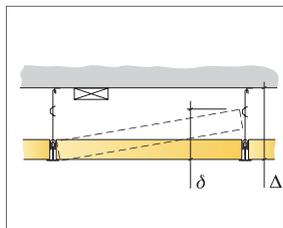
Live load/load bearing capacity



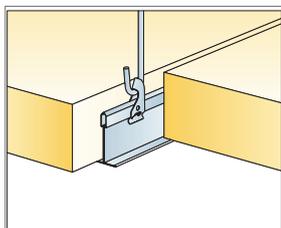
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

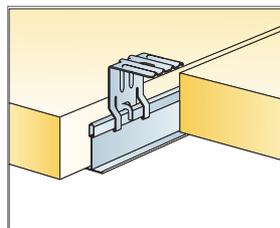
		Size, mm	
		1200x600	1200x1200
1	Industry Modus	1,4/m <sup>2</sup>	0,7/m <sup>2</sup>
2	Connect Adjustable hanger, installed at 1200 mm centres (only 4-sided support)	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
3	Connect Hanger clip	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
4	Connect T24 Cross tee, L=1200, installed at 1200 or 600 mm centres (only 4-sided support)	1,7m/m <sup>2</sup>	0,9m/m <sup>2</sup>
5	Connect T24 Main runner, installed at 1200 mm centres (only 4-sided support)	0,9m/m <sup>2</sup>	0,9m/m <sup>2</sup>
6	Connect T24 Main runner, installed at 1195 mm centres (only 2-sided support)	0,9m/m <sup>2</sup>	0,9m/m <sup>2</sup>
7	Connect Direct bracket, installed at 1200 mm centres	0,7/m <sup>2</sup>	0,7/m <sup>2</sup>
8	Connect Angle trim, fixed at 300 mm centres	as required	as required
9	Connect Shadow-line trim, fixed at 300 mm centres	as required	as required
Δ Min. overall depth of system: 50, 80 or 100 mm with Direct fixing bracket. 100 mm with Adjustable hanger.		-	-
δ Min. demounting depth: 150 mm for 50 mm thickness. 250 mm for 100 mm thickness.		-	-



See Quantity specification



Suspension with adjustable hanger and clip



Suspension with direct bracket

Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x600	40	160
1200x1200	40	160

Live load/load bearing capacity