

# Ecophon Industry™ Ambit

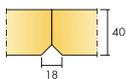
Suitable for noise reduction in industrial premises, where a concealed grid and no visible suspension details are required. The tiles are not demountable.

The Ecophon Industry Ambit system consists of Ecophon Industry Ambit tiles and Connect Ambit fixing, with an approximate weight of 3 kg/m<sup>2</sup>. The tiles are manufactured from high density 3rd generation glass wool. The visible surface is a batch painted glass tissue in white and the back of the tile is covered with glass tissue. The edges are primed.



The Print shop ,

## SYSTEM RANGE



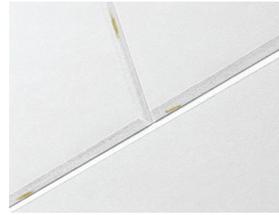
Size, mm	1 200x600
Direct	•
Thickness	40
Inst. Diag.	M40



Industry Ambit tile.



Section of Industry Ambit system.



Industry Ambit system.

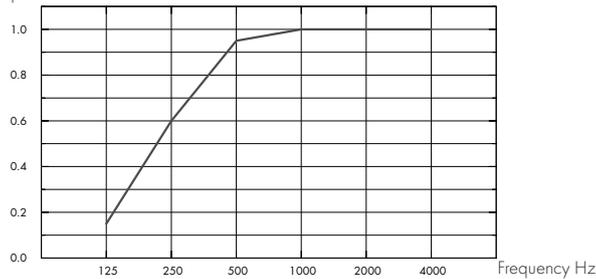


## Acoustic

### Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654.

$\alpha_p$  Practical sound absorption coefficient



– Industry Ambit 40 mm, 40 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	40	0,15	0,60	0,95	1,00	1,00	1,00	0,90	A



## Accessibility

The tiles are demountable.



## Cleanability

Weekly dusting and vacuum cleaning.



## Visual appearance

White 190, nearest NCS colour sample S 0500-N, 80% light reflectance. Since the product has a coloured glassfelt as a surface, it can appear mottled, specially with indirect lighting. 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

Certificate / Label

Europe

EN  
13501-1





### Environmental influence

---

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

---

Additional live load has to be fixed to the soffit.



### Installation

---

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

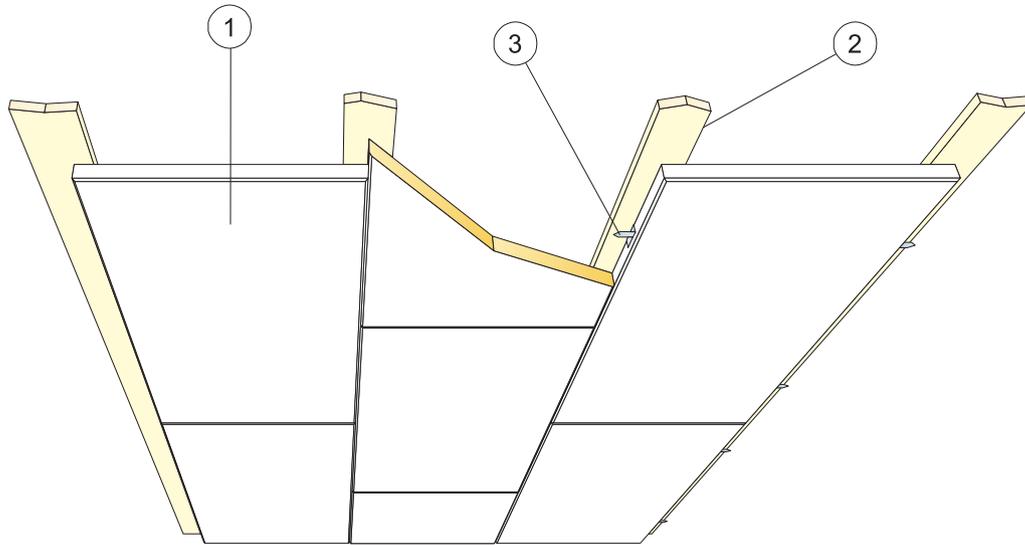


### CE

---

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.

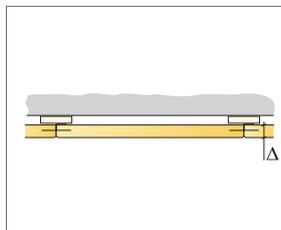
## INSTALLATION DIAGRAM (M40) FOR ECOPHON INDUSTRY AMBIT



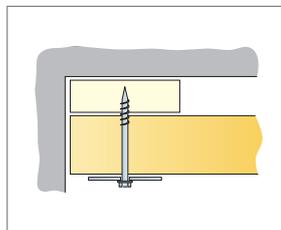
© Ecophon Group

### QUANTITY SPECIFICATION (EXCL. WASTAGE)

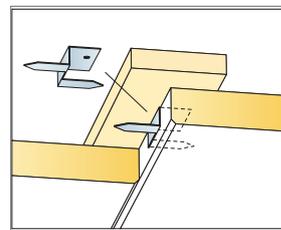
		<b>Size, mm</b>
		<b>1200x600</b>
1	Industry Ambit	1,4/m <sup>2</sup>
2	Timber batten	as required
3	Connect Ambit fixing	2,8/m <sup>2</sup>
Δ Min. overall depth of system: 40 mm		-
δ Min. demounting depth: The system is non-demountable		-



See Quantity specification



Installation on timber batten with screw and washer



Installation with Connect Ambit fixing

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

Live load/load bearing capacity