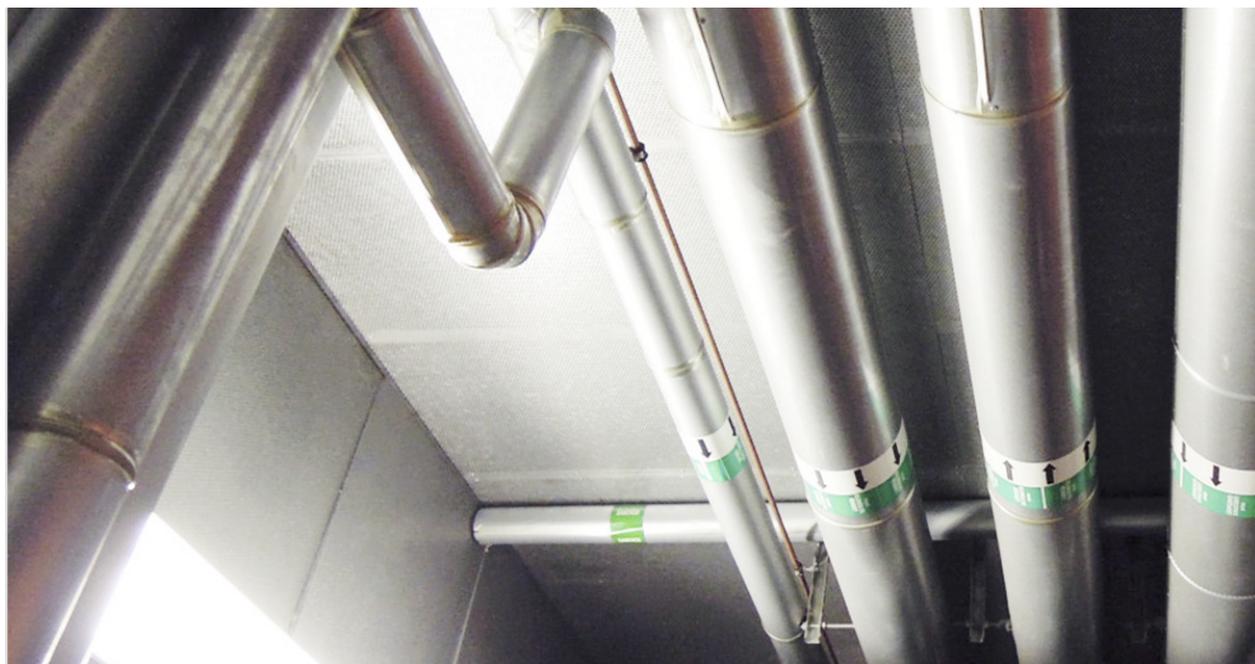


Ecophon Industry™ RTP

Suitable for noise reduction in industrial premises, where an impact resistant ceiling is needed. The panels have a glass wool core with a black surface. The visible surface is a perforated sheet metal facing (Ø3 mm hole diameter, 15% perforated area). The metal facing is bent around the long edges of the panels and overlaps the back surface. The perforated sheet metal facing is galvanized.

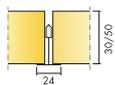
Connect™ grid and accessories. The grid is manufactured from galvanized steel.

For best performance and system quality, use

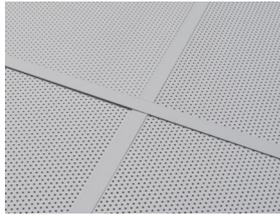


Finland

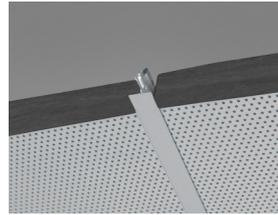
SYSTEM RANGE



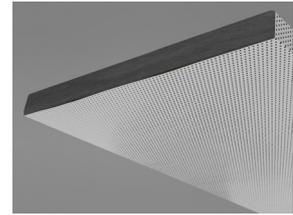
Size, mm	1200x600	1200x600
T24	•	•
Thickness	30	50
Inst. Diag.	M172	M172



Industry RTP system.



Section of Industry RTP system.



Industry RTP panel.

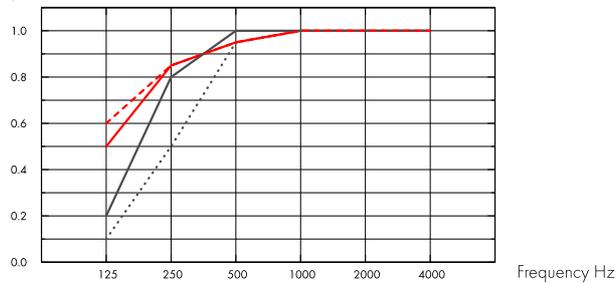
Acoustic



Sound Absorption:

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

α_p , Practical sound absorption coefficient



- Industry RTP 30 mm, 50 mm o.d.s.
 - Industry RTP 30 mm, 200 mm o.d.s.
 - Industry RTP 50 mm, 50 mm o.d.s.
 - - - Industry RTP 50 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		
30	50	0.10	0.50	0.95	1.00	1.00	1.00	0.80	B
30	200	0.50	0.85	0.95	1.00	1.00	1.00	1.00	A
50	50	0.20	0.80	1.00	1.00	1.00	1.00	1.00	A
50	200	0.60	0.85	0.95	1.00	1.00	1.00	1.00	A

THK mm	o.d.s. mm	NRC	SAA
30	50	0.85	0.89
30	200	0.95	0.96
50	50	0.95	0.99
50	200	0.95	0.99

Indoor Air Quality



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



Circularity



Minimum post-consumer recycled content (30 mm)	65%
Minimum post-consumer recycled content (50 mm)	67%
Recyclability	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.



Humidity Resistance

Class A, relative humidity 70% and 25°C, according to EN 13964:2014



Visual appearance

Galvanized 189, 55% light reflectance, 65% light reflectance.



Cleanability

Weekly dusting and vacuum cleaning.



Accessibility

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



Installation

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



System weight

The weight of the system (including suspension grid) should be approximately 4.6 kg/m².



Mechanical properties

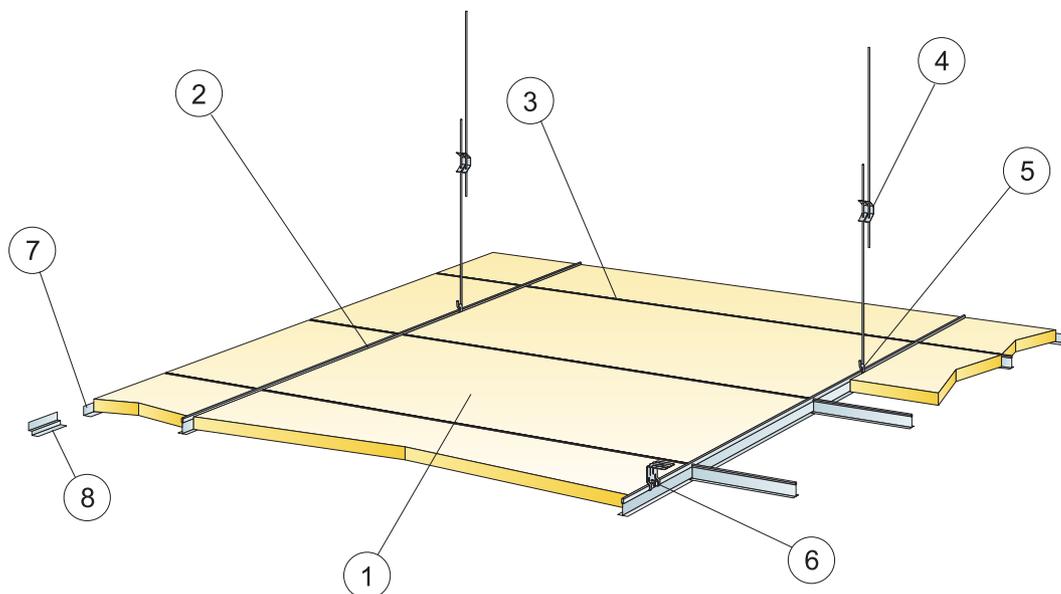
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



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.

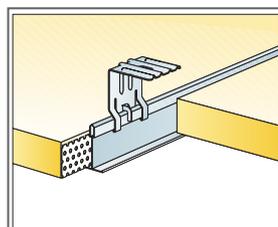
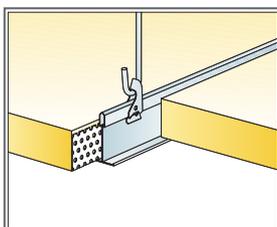
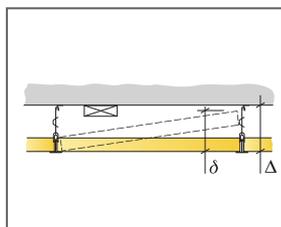
INSTALLATION DIAGRAM (M172) FOR ECOPHON INDUSTRY RTP.



© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm
	1200x600
1 Industry RTP	1,4/m ²
2 Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m ²
3 Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²
4 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²
5 Connect Hanger Clip (not to be used in swimming hall environments)	0,7/m ²
6 For direct installation: Connect Direct Bracket, installed at 1200 mm centres	0,7/m ²
7 Connect Angle trim, fixed at 300 mm centres	as required
8 Connect Shadow-line trim, fixed at 300 mm centres	as required
Δ Min. overall depth of system, with Adjustable hanger: 100 mm, with Direct bracket 50 mm	-
δ Min. demounting depth: 170 mm (30 mm thickness), 220 mm (50 mm thickness)	-



Size, mm	Max live load (N)	Min load bearing capacity (N)
1200x600x30	30	160
1200x600x50	30	160

Live load/load bearing capacity