

Ecophon Industry™ RTP

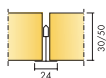
Suitable for noise reduction in industrial premises, where an impact resistant ceiling is needed. The system consists of Ecophon Industry RTP panels and Ecophon Connect grid system, with an approximate weight of 4-6 kg/m² depending on thickness. The panels have a glass wool core. The visible surface is a perforated sheet metal facing (Ø3 mm hole diameter, 15% perforated area) on top of a black glass tissue. The metal facing is bent around the long edges of the panels and overlaps the back surface. All edges are primed in black. The perforated sheet metal facing is galvanized, but also available in white.

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

For best performance and system quality, use Ecophon

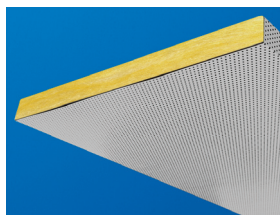


, Finland

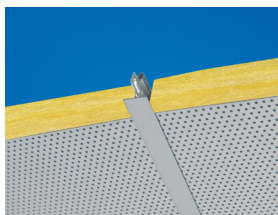


SYSTEM RANGE

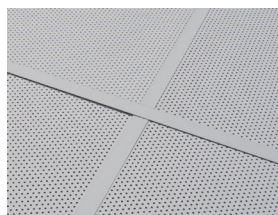
Size, mm	1200x600	1200x600
T24	•	•
Thickness	30	50
Inst. Diag.	M172	M172



Industry RTP panel.



Section of Industry RTP system.



Industry RTP system.

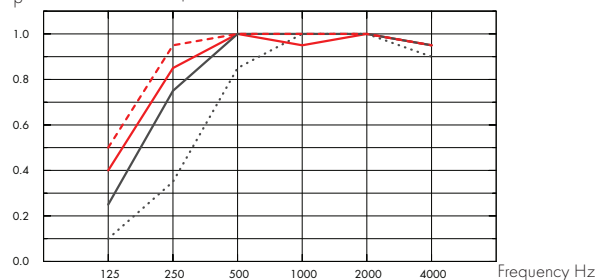


Acoustic

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, 30 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	30	0,10	0,35	0,85	1,00	1,00	0,90	0,65	C
30	200	0,40	0,85	1,00	0,95	1,00	0,95	1,00	A
50	50	0,25	0,75	1,00	1,00	1,00	0,95	1,00	A
50	200	0,50	0,95	1,00	1,00	1,00	0,95	1,00	A



Accessibility

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



Cleanability

Weekly dusting and vacuum cleaning.



Visual appearance

Galvanized 189, 55% light reflectance, White 170, 65% light reflectance.



Influence of climate

The tiles withstand a permanent ambient RH up to 75% at 30°C without sagging, warping or delaminating (ISO 4611).



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.



Mechanical properties

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



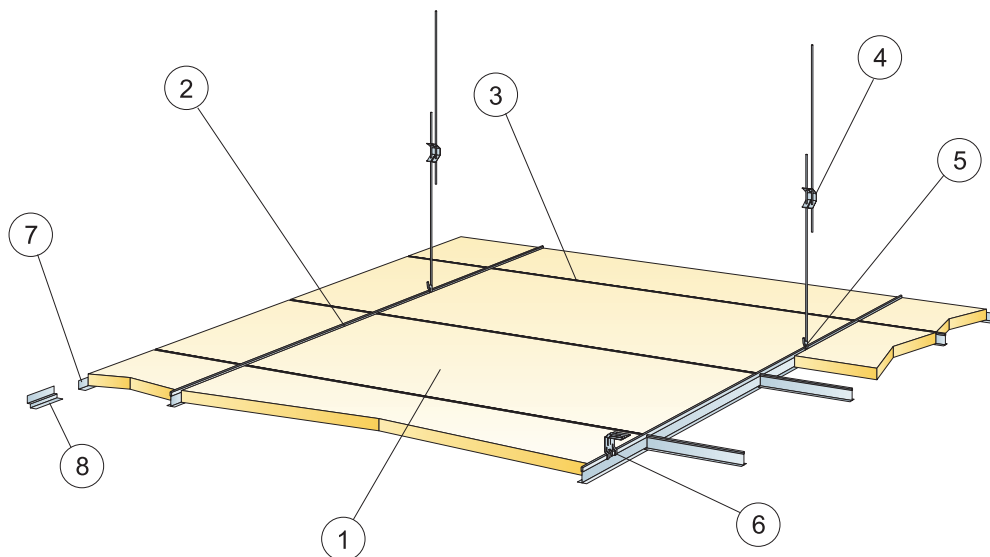
Installation

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



CE

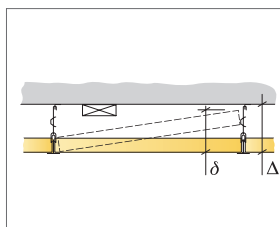
2,9 kg equivalent CO₂ / m² according to EPD



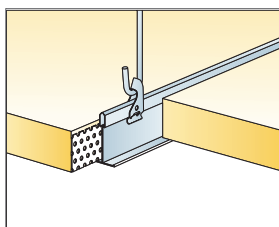
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

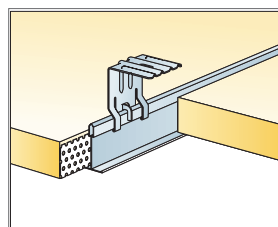
		Size, mm
		1200x600
1	Industry RTP	1,4/m ²
2	Connect T24 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m ²
3	Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²
4	Connect 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)		-



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	30	160

Live load/load bearing capacity