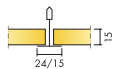# Ecophon Gedina™ A

Ecophon Gedina™ A has an exposed grid system with each tile individually demountable for easy access to above soffit. Ecophon Gedina™ A is made for applications which require an easy install, suspended ceiling and meet standard functional demands.
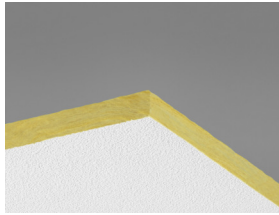

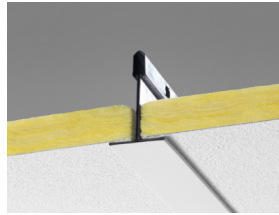Arvalee Special School, Omagh, United Kingdom

SYSTEM RANGE

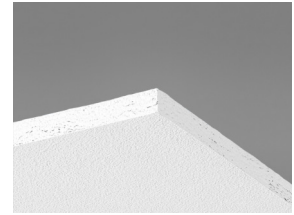| Size, mm	600x600	1200x600	1200x1200
Connect T15	•	•	•
Connect T24	•	•	•
Thickness	15	15	15
Inst. Diagr.	M118, M237	M118	M118

24/15
15

Gedina A tile

Section of Gedina A system
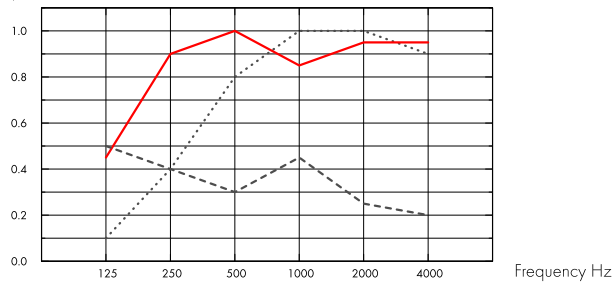

Gedina A system

Gedina A tile

Acoustic

Sound Absorption:
Test results according to EN ISO 354. Classification according to EN ISO 11654.

α_p, Practical sound absorption coefficient

.... Gedina A 15 mm, 50 mm o.d.s.

— Gedina A 15 mm, 200 mm o.d.s.

--- Gedina A/gamma 15 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		
-	15	50	0.10	0.40	0.80	1.00	1.00	0.90	0.70	C
-	15	200	0.45	0.90	1.00	0.85	0.95	0.95	0.95	A
gamma	15	200	0.50	0.40	0.30	0.45	0.25	0.20	0.30	D

THK mm	o.d.s. mm	NRC	SAA
15	50	0.80	0.80
15	400	0.85	0.86

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110	D_{nfw} Weighted normalized flanking level difference, ISO 10848-2	CAC dB Ceiling Attenuation Class, ASTM 1414, ASTM E413
15	190	19	19

Indoor Air Quality

Certificate / Label	600x600, 1200x600 (NE)	Other formats
Eurofins Indoor Air Comfort®	IAC Gold	IAC
French VOC	A+	A
Finnish M1		•

Environmental Footprint

kg CO$_2$ equiv/m²	
Gedina A	2,06

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804

Circularity

Minimum post-consumer recycled content	46%
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 C, RH 95% and 30°C

Visual appearance

White 500, nearest NCS colour sample S 0500-N, 84% light reflectance.

Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.

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 2.5 kg/m².
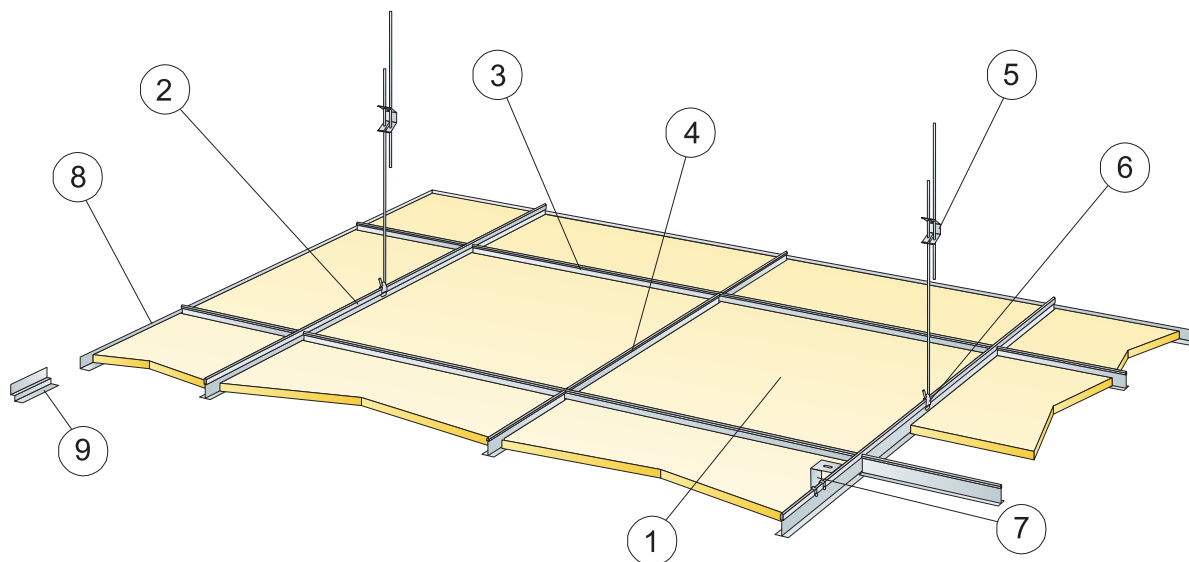
Mechanical properties

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 EN13964:2014. 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.
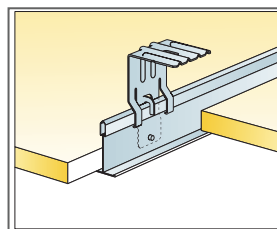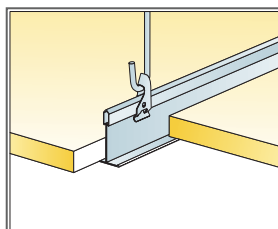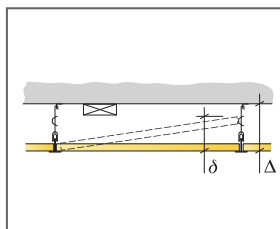
© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

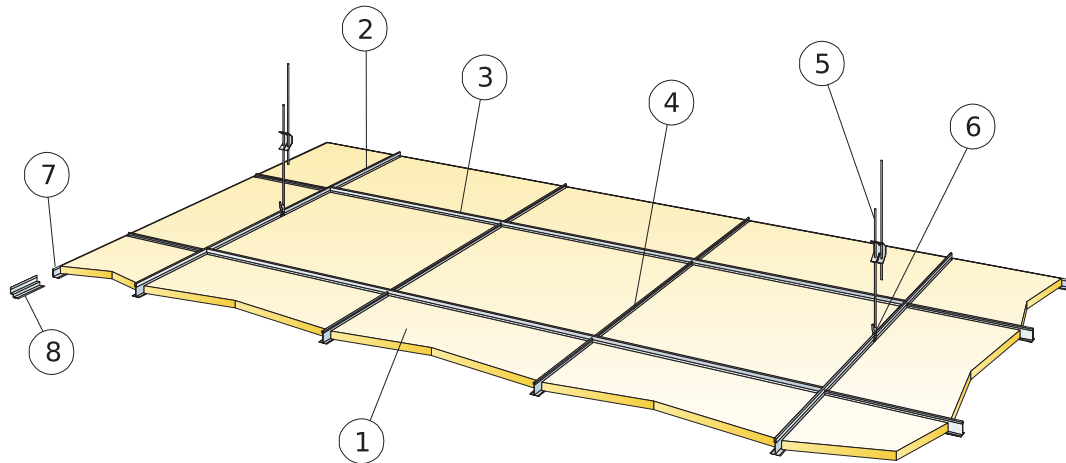|	Size, mm		
	600x600	**1200x600**	**1200x1200**
1 Gedina A	2,8/m²	1,4/m²	0,7/m²
2 Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m²	0,9m/m²	0,9m/m²
3 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m²	1,7m/m²	0,9m/m²
4 Connect T24 or T15 Cross tee, L=600 mm	0,9m/m²	-	-
5 Connect Adjustable Hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m²	0,7/m²	0,7/m²
6 Connect Hanger Clip (not to be used in swimming hall environments)	0,7/m²	0,7/m²	0,7/m²
7 For direct installation: Connect Direct Bracket, installed at 1200 mm centres	0,7/m²	0,7/m²	0,7/m²
8 Connect Angle Trim, fixed at 300 mm centres	as required	as required	as required
9 Connect Shadow-line Trim, fixed at 300 mm centres	as required	as required	as required
Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm	-	-	-
δ Min. demounting depth: 120 mm (130 mm with 1200x1200)	-	-	-
For luminaire integration in panels use Connect Bridging	-	-	-

Suspension with adjustable hanger and clip

Suspension with direct bracket

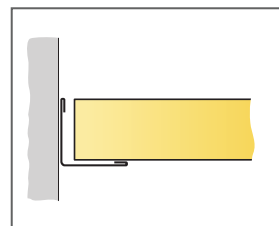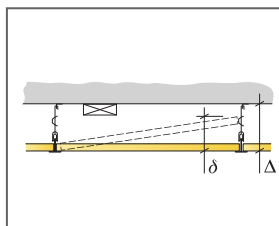| Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x15	50	160
1200x600x15	50	160
1200x1200x15	50	160

Live load/load bearing capacity

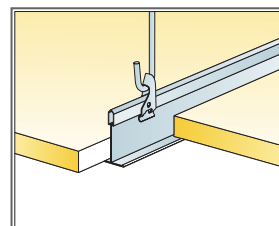INSTALLATION DIAGRAM (M237) FOR ECOPHON GEDINA A, CONNECT T24 MAIN RUNNER INSTALLED AT 1800 MM CENTRES

© Ecophon Group

QUANTITY SPECIFICATION (EXCL. WASTAGE)

	Size, mm
	600x600
1 Gedina A	2,8/m²
2 Connect T24 Main runner, installed at 1800 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,56m/m²
3 Connect T24 Cross tee, L=1800 mm	1,7m/m²
4 Connect T24 Cross tee, L=600 mm centres	1,1m/m²
5 Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,46/m²
6 Connect Hanger clip	0,46/m²
7 Connect Angle trim, fixed at 300 mm centres	as required
8 Alt. Connect Shadow-line Trim, fixed c300	as required
δ Min. demounting depth: 120 mm	-
Δ Min. overall depth of system, with adjustable hanger: 100 mm, with direct bracket: 50 mm	-

Straight cut, panel resting on wall trim

Suspension with adjustable hanger and clip

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x15	20	160

Live load/load bearing capacity