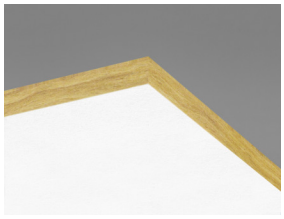
ECOPHON OPTA™ A

Ecophon Opta™ A has an exposed grid system with each tile individually demountable for easy access to soffit above. For applications requiring an easy-install suspended ceiling to meet the basic functional demands. Opta has a minimum volume purchase requirement, contact Ecophon for more information.

Ecophon Opta™ A

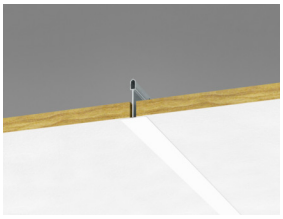
SYSTEM RANGE

Size, mm	600x600	1200x600
T15	•	•
T24	•	•
Thickness (THK)	15	15
Inst. Diagr.	M360	M360



Opta A tile

Opta A system with Connect T24



Section of Opta A system with Connect T24

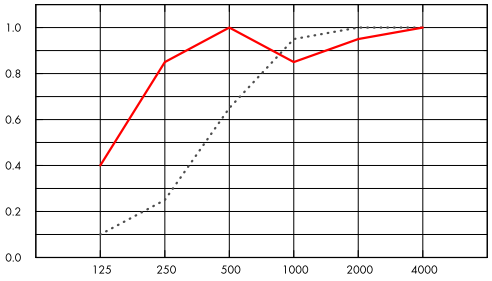
TYPE OF APPLICATION

- Healthcare

ACOUSTICS

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

α_p, Practical sound absorption coefficient



···· Opta A 15 mm, 50 mm o.d.s.
— Opta A 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	0.25	0.65	0.95	1.00	1.00	0.55	D
15	200	0.40	0.85	1.00	0.85	0.95	1.00	0.95	A

THK mm	o.d.s. mm	NRC	SAA
15	50	0.75	0.74
15	400	0.85	0.87

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110
15	190

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CIRCULARITY

Minimum post-consumer recycled content	53%
Recyclability	Fully recyclable

CARBON FOOTPRINT

Life-cycle stages A1 to C4 from EPD, in conformity with ISO 14025 / EN 15804+A2

	kg CO_2 equiv/m^2
Opta A	2,77

FIRE SAFETY

A2-s1,d0

Country	Fire standard	Class
Europe	EN 13501-1	A2-s1,d0

HUMIDITY RESISTANCE

Class C, relative humidity 95% and 30°C, according to EN 13964:2014

VISUAL APPEARANCE

White 190, nearest NCS colour sample S 1000-N, 80% light reflectance. Since the product has a coloured glasfelt as a surface, it can appear mottled, specially with indirect lighting. Slight colour differences can occur.

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. (The tiles have to be installed according to the arrows on the back of the tile.)

PACKAGING INFORMATION

Information is indicative and subject to change.

	Edge	Panels / crt	m^2 / crt
600x600x15	A	40	14.40
1200x600x15	A	20	14.40
625x625x15	A	40	15.63
1250x625x15	A	20	15.63

SYSTEM WEIGHT

Weight information is indicative and subject to variation.

	kg/m^2
Opta A	1,1
Opta A + Connect grid system	2,1

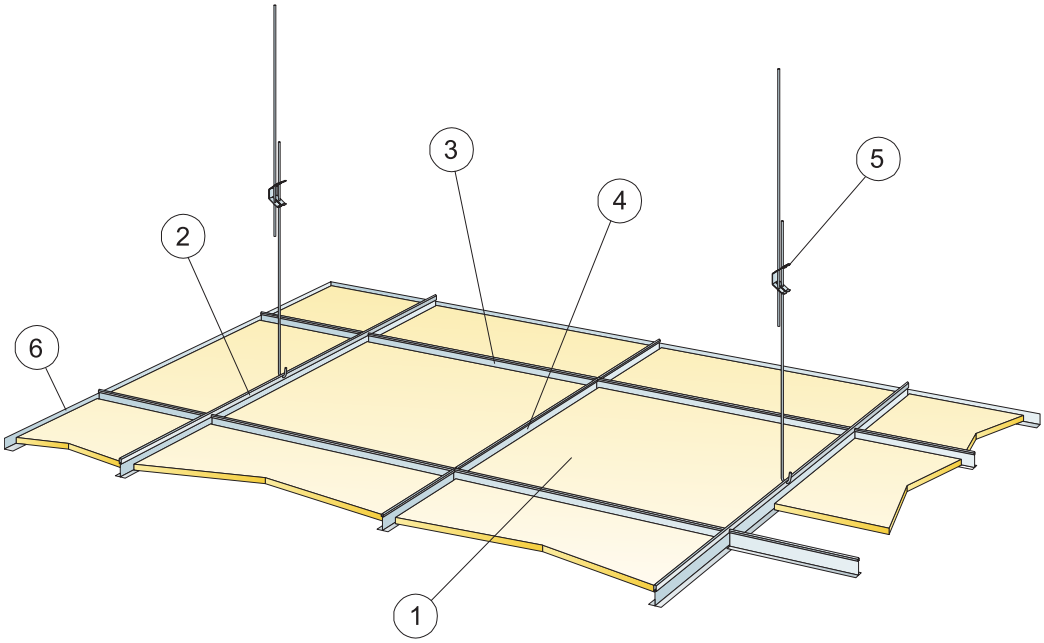
MECHANICAL PROPERTIES

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.

Suspended ceiling



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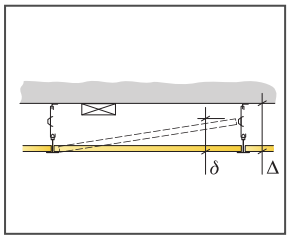
Installation diagram (M360) for Ecophon Opta A

Quantity specification (excl. wastage)

		Size, mm	
		600x600	1200x600
1	Opta A	2,8/m²	1,4/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
3	Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m²	1,7m/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
6	Connect Angle Trim, fixed at 300 mm centres	as required	as required
	Δ Min. overall depth of system: 100 mm		
	δ Min. demounting depth: 120 mm		



See Quantity Specification

Size, mm	Max live load (N)	Min load bearing capacity (N)
600x600x15	30	160
1200x600x15	30	160

Live load/load bearing capacity