

Ecophon Opta E TECH

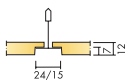
For applications requiring a suspended ceiling which is easy to install and demount. Ecophon Opta E has a recessed visible grid and a tegular edge design. The visible surface of each tile is 7 mm below the grid. Each tile is easily demountable.

The system consists of Ecophon Opta E tiles and Ecophon Connect grid systems, with an approximate weight of 2,5 kg/m². The tiles are manufactured from high density 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 painted. For best performance and system quality, use Ecophon Connect grid and accessories. The grid is manufactured from galvanized steel.

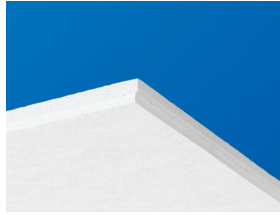


Wooninc, Netherlands

SYSTEM RANGE



Size, mm	600x600
T15	•
T24	•
Thickness (THK)	15
Inst. Diagr.	M140



Opta E tile



Section of Opta E system with Connect T24



Opta E system with Connect T24

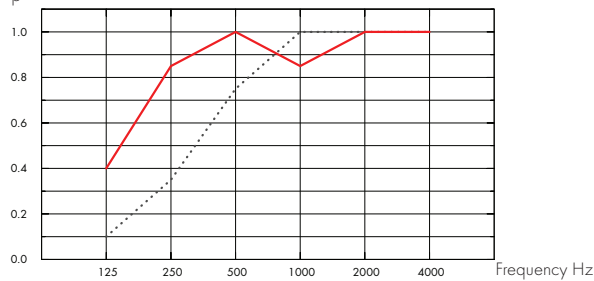


Acoustic

Sound Absorption:

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

α_p Practical sound absorption coefficient



... Opta E 15 mm, 60 mm o.d.s.

— Opta E 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	60	0.10	0.35	0.75	1.00	1.00	1.00	0.65	C
15	200	0.40	0.85	1.00	0.85	1.00	1.00	0.95	A



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.)



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.



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 glasfelt 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 (EN 13964).



Indoor Climate

Certificate / Label	
Finnish M1	.
Swedish Asthma and Allergy Association	.

Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association.



Fire safety

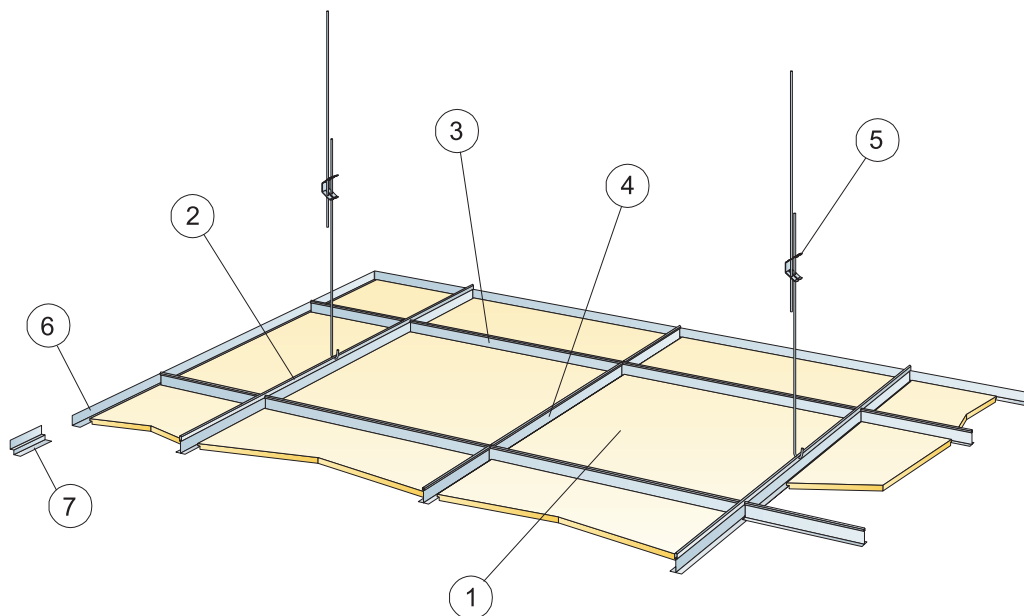
Country	Standard	Class
Europe	EN 13501-1	A2-s1,d0

A2-s1,d0



Mechanical properties

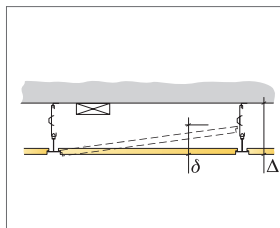
See table about Max live load and Min load bearing capacity and Functional demands, Mechanical properties at www.ecophon.com.



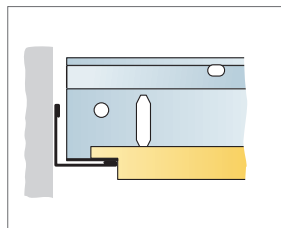
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

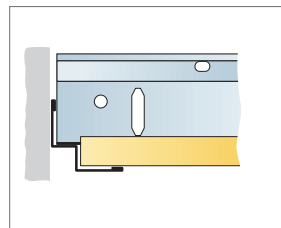
		Size, mm
		600x600
1	Opta E	2,8/m ²
2	Connect T24 or T15 Main runner, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m ²
3	Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²
4	Connect T24 or T15 Cross tee, L=600 mm	0,9m/m ²
5	Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²
6	Connect Angle trim, fixed at 300 mm centres	as required
Δ Min. overall depth of system: 110 mm		-
δ Min. demounting depth: 120 mm		-



See Quantity specification



Regular rebate with angle trim.



Straight cut with T-profiles resting on upper part of Shadow-line trim.

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	50	160

Live load/load bearing capacity