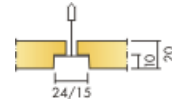


Ecophon Focus™ E



For applications where an attractive suspended ceiling is required and easy removal of individual tiles is essential. Ecophon Focus E has a recessed visible grid and a regular edge design, creating a ceiling with a shadow effect that accentuates each tile and partially conceals the grid system. The visible surface of each tile is 10 mm below the grid. Each tile is easily demountable.

SYSTEM AND PRODUCT DESCRIPTION

The systems consist of Ecophon Focus E tiles and Ecophon Connect grid systems, with an approximate weight of 3 kg/m². The tiles are manufactured from high density glass wool. The visible surface has an Akutex FT coating and the back of the tile is covered with glass tissue. The edges are painted. The grid is manufactured from galvanized steel. For best performance and system quality, use Ecophon Connect grid and accessories.

SYSTEM RANGE

Size, mm	600	1200	1200	XL	XL	XL	XL
	X	X	X	X	X	X	X
	600	600	1200	600	600	600	600
T24	•	•	•	•	•	•	•
T15	•	•	•				
Thickness	20	20	20	20	20	20	20
Inst. diagr.	m12	m12	m12	m47	m47	m47	m47
				m49	m49	m49	m49



Focus E tile



Section of Focus E system with Connect T24



Focus E system with Connect T24



Focus E with Connect Angle trim

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

CLEANABILITY: Daily dusting and vacuum cleaning. Weekly wet cleaning.

LIGHT EFFICIENCY: White Frost, nearest NCS colour sample S 0500-N, 85% light reflectance (of which more than 99% is diffuse reflection). Colours: See Ecophon colour range. Retro Reflections coefficient 63 mcd/m2lx-1. Gloss < 1.

INFLUENCE OF CLIMATE: The tiles withstand a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611).

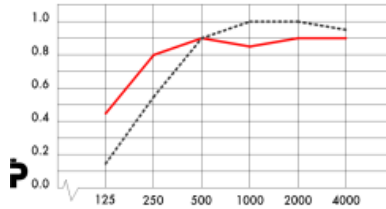
INDOOR CLIMATE: Certified by the Indoor Climate Labelling, recommended by the Swedish Asthma and Allergy Association, and can be used in rooms classified as ISO class 6/M3.5.

ENVIRONMENTAL INFLUENCE: Granted the Nordic Swan eco-label. Fully recyclable.

ACOUSTICS:

SOUND ABSORPTION: Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for NRC and SAA according to ASTM C 423.
SOUND INSULATION: $D_{n,f,w}$ =22 dB according to ISO 10848-2 and evaluation according to EN ISO 717-1. CAC=23 dB according to ASTM E 1414 and evaluation according to ASTM E 413.
SOUND PRIVACY: AC(1.5)=180 according to ASTM E 1111 and E 1110.

α_n Practical sound absorption coefficient



Frequency, Hz

— Ecophon Focus Focus E 200 mm o.d.s.

--- Ecophon Focus Focus E 60 mm o.d.s.

o.d.s = overall depth of system

Product	Focus E				
	O.d.s. mm	400	200	80	60
Absorption class			A	A	B
NRC		0.85			0.9
SAA		0.85			0.87

FIRE SAFETY: Reaction-to-fire classifications.

Country	Standard	Class
UK	BS 476 Parts 6&7	Class 0
Europe	EN 13501-1	A2-s1,d0

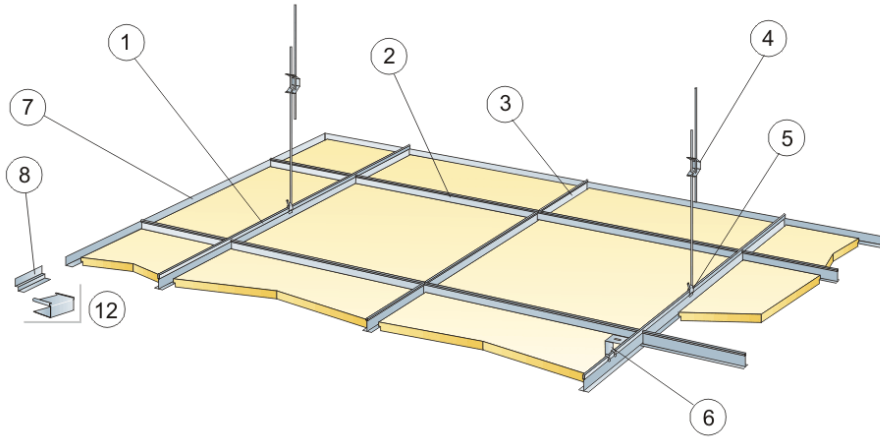
The glass wool core of the tiles is tested and classified as non-combustible according to prEN ISO 1182. The systems are classified as fire protective covering according to NT FIRE 003. See Functional demands, Fire safety.

MECHANICAL PROPERTIES: For information regarding live load and requirements for load bearing capacity, see installation diagrams. Conditions: See Functional demands, Mechanical properties.

INSTALLATION: Installed according to installation diagram M12, M47 or M49, which include information regarding minimum overall depth of system.

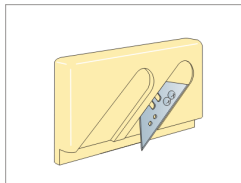
www.ecophon.co.uk, CADsupport, Product selector, Specification, Maintenance manual

INSTALLATION DIAGRAM (M12) FOR FOCUS E

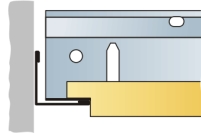


M12

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Cutting tool E 0221

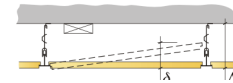


One way to integrate Focus E tiles with wall

Inst. diag., Size (mm)	Max live load (N)	Min load bearing capacity (N)
1200x1200	50	160
1200x600	50	160
600x600	50	160

Live load/Load bearing capacity

Min. overall depth of system,
with Adjustable hanger: 110
mm, with Direct bracket: 60
mm

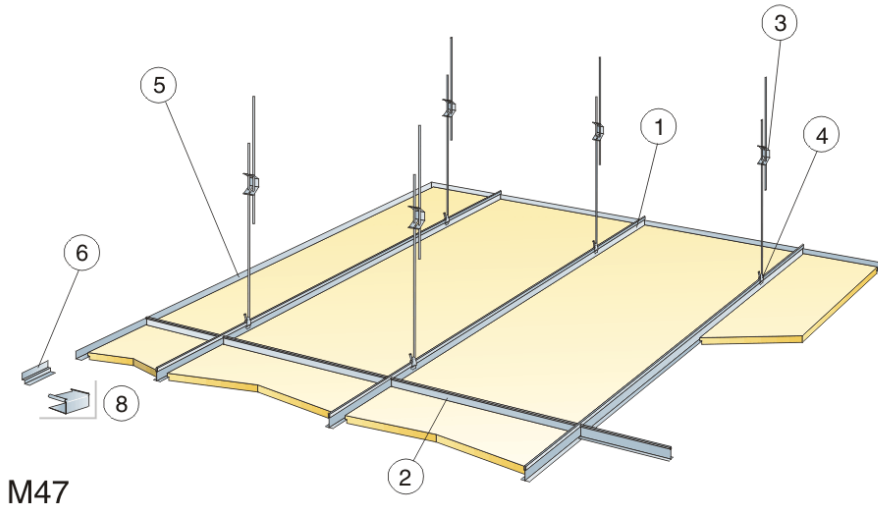


Vertical measurements

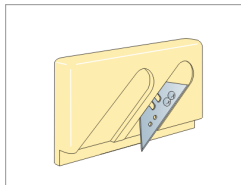
Quantity specification (excl. wastage)

	Size, mm		
	600x600	1200x600	1200x1200
Focus E	2.8/m ²	1.4/m ²	0.7/m ²
1 Connect T24 or T15 Main runner, installed at 1200 mm centres	0.9 m/m ²	0.9 m/m ²	0.9 m/m ²
2 Connect T24 or T15 Cross tee, L=1200 mm, installed at 600 mm centres	1.7 m/m ²	1.7 m/m ²	0.9 m/m ²
3 Connect T24 or T15 Cross tee, L=600 mm	0.9 m/m ²	-	-
4 Connect Adjustable hanger, installed at 1200 mm centres (max distance from wall 600 mm)	0.7/m ²	0.7/m ²	0.7/m ²
5 Connect Hanger clip	0.7/m ²	0.7/m ²	0.7/m ²
6 For direct installation: Connect Direct bracket, installed at 1200 mm centres	0.7/m ²	0.7/m ²	0.7/m ²
7 Connect Angle trim, fixed at 300 mm centres	as required	as required	as required
8 Connect Shadow-line trim, fixed at 300 mm centres	as required	as required	as required
12 Connect E-plug 0144/0148 (for Shadow-line trim)	as required	as required	as required

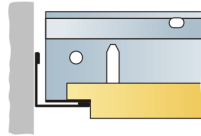
INSTALLATION DIAGRAM (M47) FOR FOCUS E XL



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Cutting tool E 0221

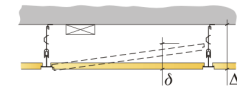


One way to integrate Focus E tiles with wall

Inst. diagr., Size (mm)	Max live load (N)	Min load bearing capacity (N)
1600x600	50	160
1800x600	50	160
2000x600	50	160
2400x600	50	160

Live load/Load bearing capacity

Min. overall depth of system: 110 mm

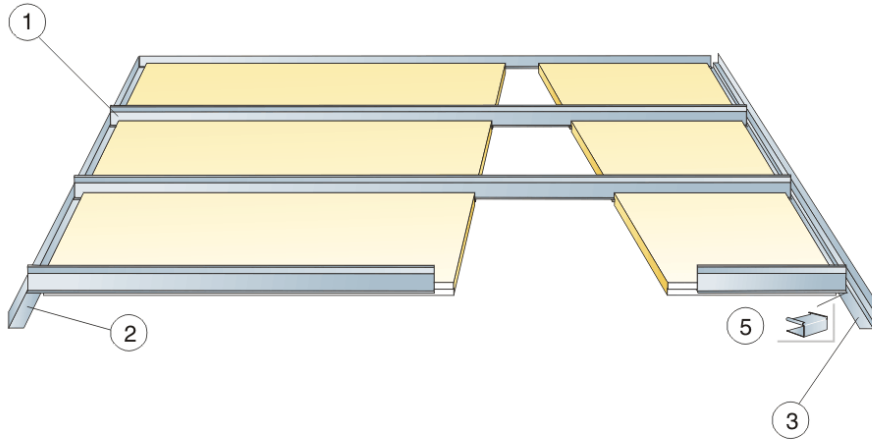


Minimum demounting depth: 110 mm
Vertical measurements

Quantity specification (excl. wastage)

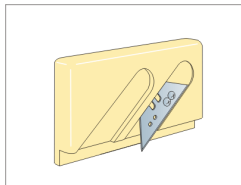
	Size, mm			
	1600x600	2000x600	2400x600	1800x600
Focus E	1.05/m ²	0.85/m ²	0.7/m ²	0.95/m ²
1 Connect T24 Main runner at 600 mm centres	1.7 m/m ²	1.7 m/m ²	1.7 m/m ²	1.7 m/m ²
2 Connect T24 Cross tee, L=600 mm	0.65 m/m ²	0.5 m/m ²	0.45 m/m ²	0.6 m/m ²
3 Connect Adjustable hanger, installed at 1500 mm centres (max. distance from wall 450 mm)	1.1/m ²	1.1/m ²	1.1/m ²	1.1/m ²
4 Connect Hanger clip	1.1/m ²	1.1/m ²	1.1/m ²	1.1/m ²
5 Connect Angle trim, fixed at 300 mm centres	as required	as required	as required	as required
6 Connect Shadow-line trim, fixed at 300 mm centres	as required	as required	as required	as required
8 Connect E-plug 0148 (for Shadow-line trim)	as required	as required	as required	as required

INSTALLATION DIAGRAM (M49) FOR FOCUS E XL IN CORRIDORS

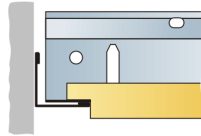


M49

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Cutting tool E 0221

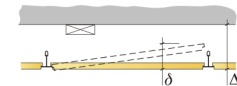


One way to integrate Focus E tiles with wall

Inst. diag., Size (mm)	Max live load (N)	Min load bearing capacity (N)
2400x600	0	-
2000x600	10	-
1800x600	20	-
1600x600	40	-

Live load/Load bearing capacity

Min. overall depth of system: 50 mm



Min. demounting depth: 75 mm
Vertical measurements

Quantity specification (excl. wastage)

	Size, mm			
	1600x600	2000x600	2400x600	1800x600
Focus E	1.05/m ²	0.85/m ²	0.7/m ²	0.95/m ²
1 Connect T24 Corridor profile, installed at 600 mm centres	1.05/m ²	0.85/m ²	0.7/m ²	0.95/m ²
2 Connect Angle trim, fixed at 200 mm centres	as required	as required	as required	as required
3 Connect Shadow-line trim, fixed at 200 mm centres	as required	as required	as required	as required
5 Connect E-plug 0148 (for Shadow-line trim)	as required	as required	as required	as required