

Ecophon Focus™ Dg

For applications where a unique demountable suspended ceiling is required. The edge design of the system conceals the support edges of the tile and creates a distinctive floating appearance. The suspension grid is approximately 14 mm above the visible surface of the tile, which gives the impression that each tile is individually suspended. The tiles are easily demountable even in areas where there is a very small overall depth of system.

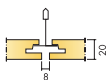
tissue. The edges are painted. For best performance and system quality, use Ecophon Connect grid and accessories. The grid is manufactured from galvanized steel.

The systems consist of Ecophon Focus Dg tiles and Ecophon Connect grid systems, with an approximate weight of 3-4 kg/m². The tiles are manufactured from high density, 3rd generation glass wool. The visible surface has an Akutex™ FT coating and the back of the tile is covered with glass



Roben, Poznan, Poland

SYSTEM RANGE



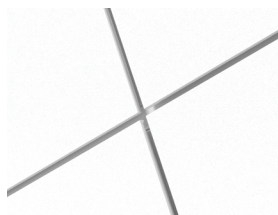
Size, mm	600x600	1200x600	1200x1200	XL 1600x600	XL 1800x600	XL 2000x600	XL 2400x600
T24	•	•	•	•	•	•	•
Thickness (THK)	20	20	25	20	20	20	20
Inst. Diag.	M202	M202	M203	M204	M204	M204	M204



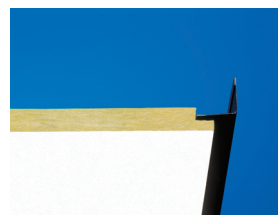
Focus Dg tile



Section of Focus Dg with Connect T24 HD Main runner



Focus Dg system



Focus Dg with Connect Angle trim Ultra matt black

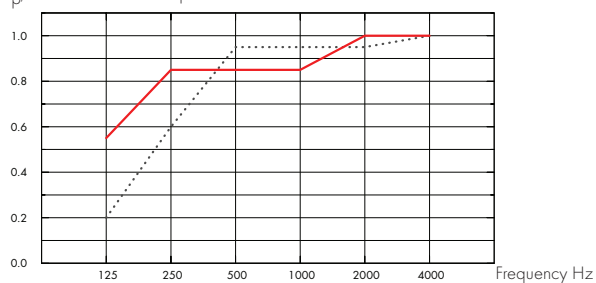


Acoustic

Sound Absorption:

Test results according to EN ISO 354. Classification according to EN ISO 11654, and the single value ratings for Noise Reduction Coefficient, NRC and Sound Absorption Average, SAA according to ASTM C 423.

α_p Practical sound absorption coefficient



... Focus Dg 20 mm, 65 mm o.d.s.

— Focus Dg 20 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		
20	65	0.20	0.60	0.95	0.95	0.95	1.00	0.90	A
20	200	0.55	0.85	0.85	0.85	1.00	1.00	0.90	A

THK mm	o.d.s. mm	NRC	SAA
20	65	0.90	0.89

THK mm	AC(1.5) Articulation Class, ASTM E1111, ASTM E1110
20	180



Accessibility

The tiles in size 600x600 and 1200x600 are easily demountable. The tiles in size 1200x1200 and XL sizes are demountable. Minimum demounting depth according to installation diagrams.



Cleanability

Daily dusting and vacuum cleaning. Weekly wet wiping.



Visual appearance

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



Influence of climate

The tiles withstand a permanent ambient RH up to 75% at 30°C without sagging, warping or delaminating (EN 13964).

Focus Ds and Focus Dg tiles are also available for especially demanding hot and humid conditions, withstanding a permanent ambient RH up to 95% at 30°C without sagging, warping or delaminating (ISO 4611). Please contact Ecophon for specifying your project.



Indoor Climate

Certificate / Label	
Finish M1	•
French VOC, A+	•
Swedish Asthma and Allergy Association	•
Danish Indoor Climate Label	•
California Emission Regulation, CDPH	•



Environmental influence

Certificate / Label	
The Nordic Ecolabel	•

Fully recyclable.



CO₂

Kg CO ₂ equiv/m ²	3,97

From EPD in conformity with ISO 14040



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. The systems are classified as fire protective covering according to NT FIRE 003.



Mechanical properties

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



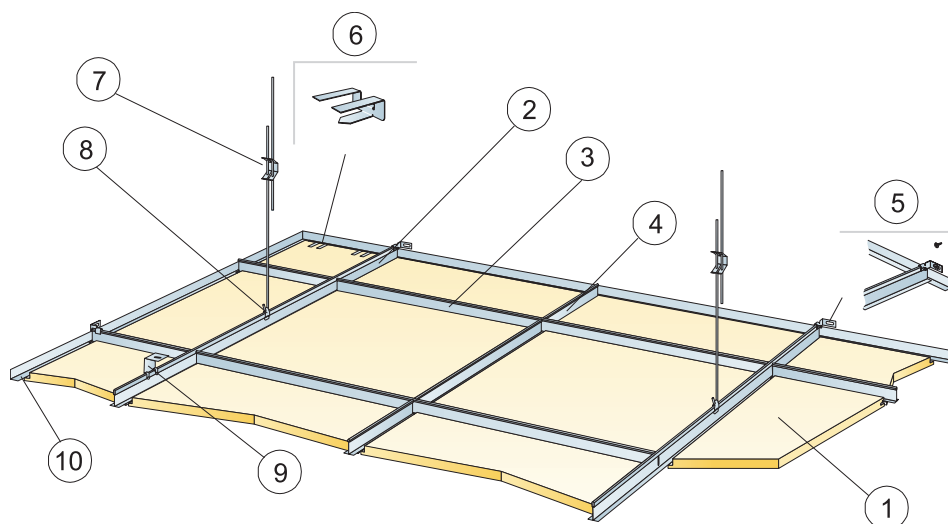
Installation

Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification. The systems are not recommended for small rooms (approximately 2x2 m²). Ceilings with a large amount of integrations require careful planning, design and installation.



CE

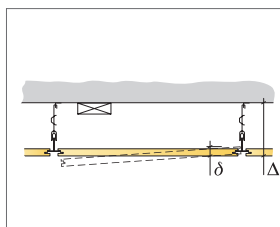
The CE marking confirms important product performance such as sound absorption, emissions, fire safety and load bearing capacity. All Ecophon ceiling products are CE marked according to European standard EN13964, and individual product performance is declared in Declaration of Performance (DoP) documents.



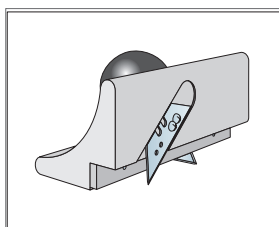
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

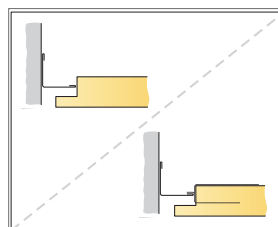
		Size, mm	
		600x600	1200x600
1	Focus Dg	2,8/m ²	1,4/m ²
2	Connect T24 Main runner HD, installed at 1200 mm centres (max. distance from wall 600 mm, can be extended up to 1200 mm if no live load between Main runner and wall).	0,9m/m ²	0,9m/m ²
3	Connect T24 Cross tee, L=1200 mm, installed at 600 mm centres	1,7m/m ²	1,7m/m ²
4	Connect T24 Cross tee, L=600 mm	0,9m/m ²	-
5	Connect Wall bracket for T-profiles	1/row of suspended Main runner HD	
6	Connect Support clip Dg20	1/300-400mm on any cut edge	
7	Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²	0,7/m ²
8	Connect Hanger clip (not to be used in swimming hall environments)	0,7/m ²	0,7/m ²
9	For direct installation: Connect Direct bracket	0,7/m ²	0,7/m ²
10	Connect Angle trim, fixed at 300 mm centres	as required	as required
Δ Min. overall depth of system, with Adjustable hanger: 115 mm, with Direct bracket: 65 mm			
δ Min. demounting depth: 30 mm			
For luminaire integration in panels use Connect Bridging			



See Quantity specification



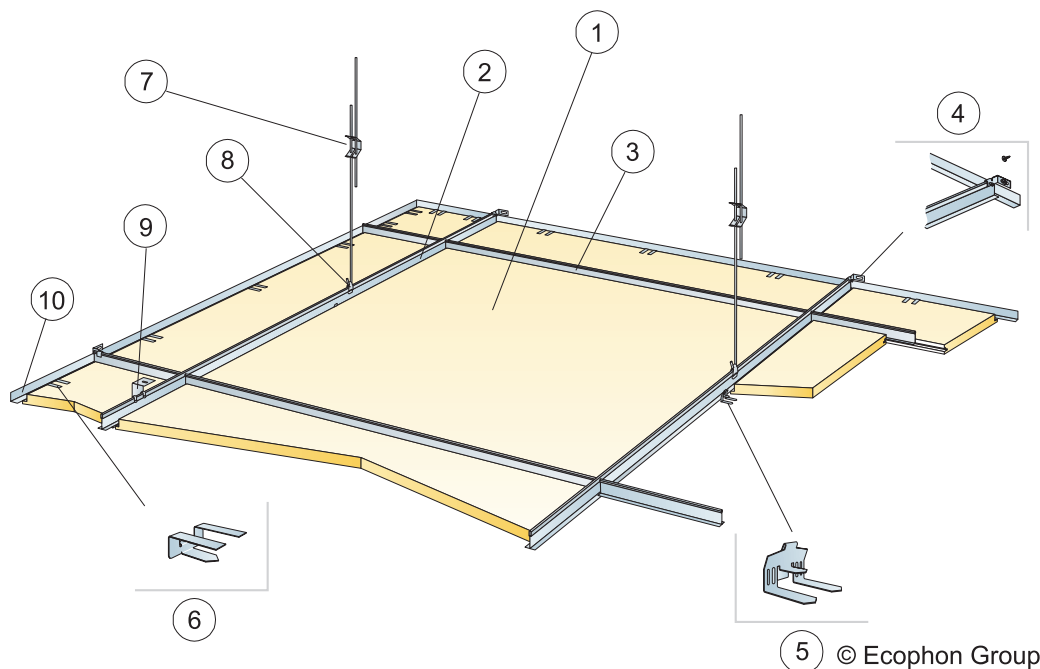
Cutting tool Dg



Cut edge with and without support clip

Size, mm	Max live load [N]	Min load bearing capacity [N]
600x600	50	160
1200x600	50	160

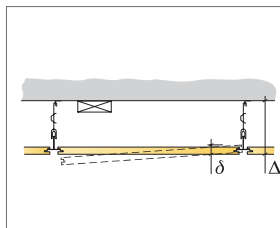
Live load/load bearing capacity



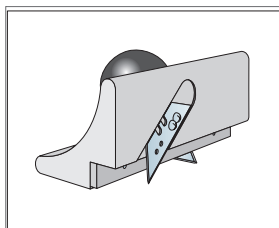
QUANTITY SPECIFICATION (EXCL. WASTAGE)

Size, mm		
1200x1200		
1	Focus Dg	0,7/m ²
2	Connect T24 Main runner HD, 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 1200 mm centres	0,9m/m ²
4	Connect Wall bracket for T-profiles	1/row of suspended Main runner HD
5	Connect Edge clip	1,4/m ²
6	Connect Support clip DG25	1/300-400mm on any cut edge
7	Connect Adjustable hanger, installed at 1200 mm centres (max. distance from wall 600 mm)	0,7/m ²
8	Connect Hanger clip (not to be used in swimming hall environments)	0,7/m ²
9	For direct installation: Connect Direct bracket	0,7/m ²
10	Connect Angle trim, fixed at 300 mm centres	as required
Δ Min. overall depth of system, with Adjustable hanger: 115 mm, with Direct bracket: 65 mm		
δ Min. demounting depth: 30 mm		

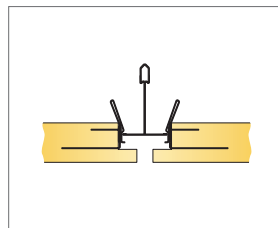
For luminaire integration in panels use Connect Bridging



See Quantity specification



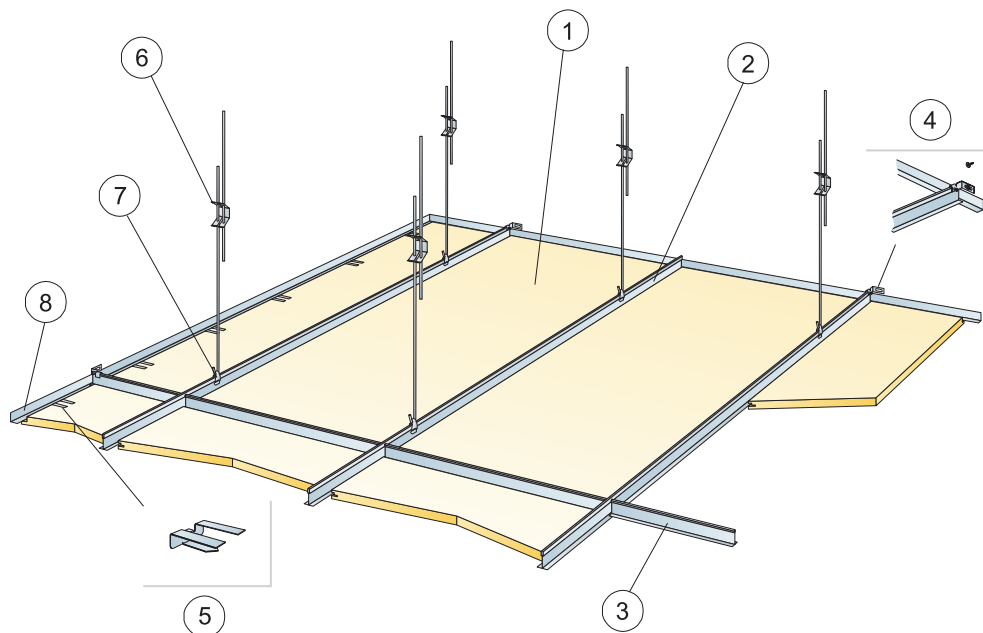
Cutting tool Dg



Joint between two unsupported edges with Edge clip

Size, mm	Max live load [N]	Min load bearing capacity [N]
1200x1200	50	160

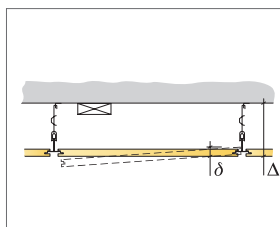
Live load/load bearing capacity



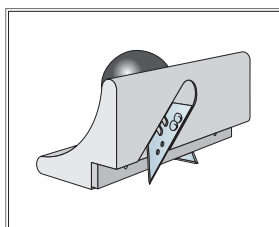
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QUANTITY SPECIFICATION (EXCL. WASTAGE)

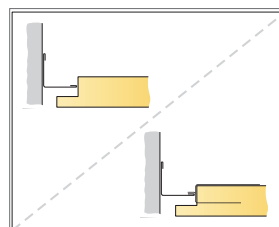
		Size, mm			
		1600x600	1800x600	2000x600	2400x600
1	Focus Dg XL	1,05/m ²	0,95/m ²	0,85/m ²	0,7/m ²
2	Connect T24 Main runner HD, installed at 600 mm centres	1,7m/m ²	1,7m/m ²	1,7m/m ²	1,7m/m ²
3	Connect T24 Cross tee, L=600 mm	0,65m/m ²	0,6m/m ²	0,5m/m ²	0,45m/m ²
4	Connect Wall bracket for T-profiles	1 for every row of suspended Main runner HD			
5	Connect Support clip Dg20	1 pc/300-400 mm on every cut perimeter tile with only 1 supporting edge			
6	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
7	Connect Hanger clip	1,1/m ²	1,1/m ²	1,1/m ²	1,1/m ²
8	Connect Angle trim, fixed at 300 mm centres	as required	as required	as required	as required
Δ Min. overall depth of system: 115 mm		-	-	-	-
δ Min. demounting depth: 30 mm		-	-	-	-



See Quantity specification



Cutting tool Dg



Cut edge with and without support clip

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