

Ecophon Solo™ Circle XL

Ecophon Solo Circle XL is an acoustic solution, primarily when it is not possible to install a wall-to-wall ceiling. Solo Circle XL is suitable in buildings where the room volume could be maintained or as an option when TABS (Thermally Activated Building System) is selected as cooling system.

Solo Circle XL is an unframed free hanging unit. The unit is suspended with Adjustable wire hangers which are attached to Connect Main runners. This, in combination with, the engineered Connect Absorber anchor (patent pending) give opportunities to create several layers.

The Solo Circle XL panel consists of two semicircles. The complete panel is available in size Ø1600x40 mm with a

weight of 8 kg. The panel is manufactured from high density, 3rd generation glass wool, with Akutex™ FT surface on both sides. The edges are straight cut and painted.



YOO Communications AG, St. Gallen, Switzerland

SYSTEM RANGE



Size, mm	XL 1600x1600
Special Fixing	•
Thickness	40
Inst. Diag.	M290



Solo Circle XL tile



Rear side of Solo Circle XL



Solo Circle XL installation with Connect Absorber anchor



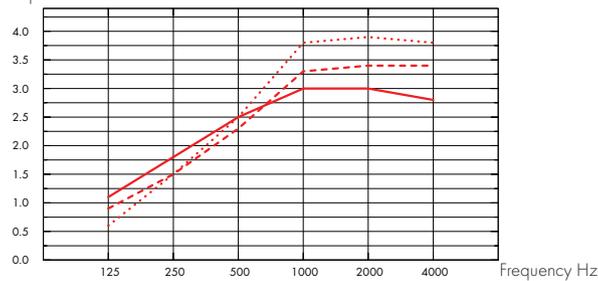
Acoustic

The values in the diagram refer to a single unit. If the units are arranged in a cluster with distances between units less than 0,5 meters, the Aeq per unit will be slightly reduced.

Sound Absorption:

Test results according to EN ISO 354.

A_{eq}, Equivalent absorption area per unit (m² sabin)



- Solo Circle XL, 200 mm o.d.s.
 - - - Solo Circle XL, 400 mm o.d.s.
 - ... Solo Circle XL, 1000 mm o.d.s.
- o.d.s = overall depth of system

THK mm	o.d.s. mm	A _{eq} , Equivalent absorption area per unit (m ² sabin)					
		125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
40	200	1,10	1,80	2,50	3,00	3,00	2,80
40	400	0,90	1,50	2,30	3,30	3,40	3,40
40	1000	0,60	1,50	2,50	3,80	3,90	3,80



Accessibility

The tiles are demountable.



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 95% at 30°C without sagging, warping or delaminating (ISO 461 1).

The units should however not be installed in areas/premises where the ambient relative humidity (RH) and the temperature exceed 70% and 30°C respectively.



Indoor Climate

Certificate / Label

Europe

EN
13501-1



Environmental influence

Certificate / Label

Europe

EN
13501-1



Glass wool core utilizing 3RD Technology. In combination with Master Rigid system Extra Bass is granted the Nordic Swan eco-label. 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.



Mechanical properties

No additional live load is allowed.



Installation

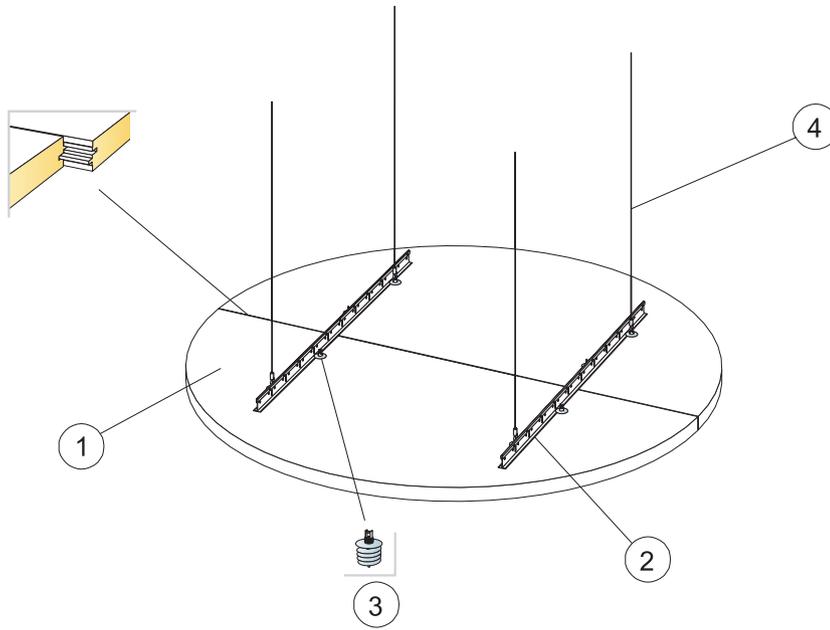
Installed according to installation diagrams, installation guides and drawing aid. For information regarding minimum overall depth of system see quantity specification.



CE

2,9 kg equivalent CO₂ / m² according to EPD

INSTALLATION DIAGRAM (M290) FOR ECOPHON SOLO CIRCLE XL

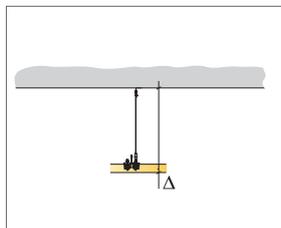


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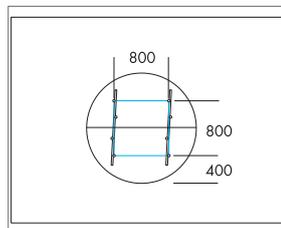
QUANTITY SPECIFICATION (EXCL. WASTAGE)

		Size, mm
		1600x1600
1	Solo Circle XL	2,01 m ² /panel
2	Connect T24 Main runner C3	0,60/panel
3	Connect Absorber anchor	8/panel
4	Connect Adjustable wire hanger	4/panel

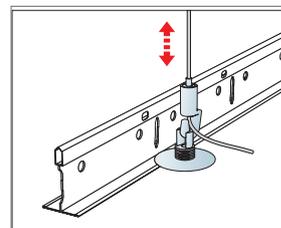
Δ Min. overall depth of system: Δ 190 mm



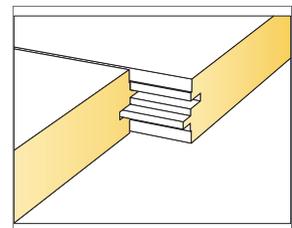
See Quantity specification



Suspension with Connect Adjustable wire hangers and Connect T24 Main runner



Easily adjustable suspension with Connect Adjustable wire hanger



Meeting between panels